

SHARP SERVICE MANUAL

No. S17B1LC37PX5M



LCD COLOR TELEVISION

LC-32PX5M/X

MODELS LC-37PX5M/X

In the interests of user-safety (Required by safety regulations in some countries) the set should be restored to its original condition and only parts identical to those specified be used.

OUTLINE

This model is based on the LC-32BX5H/M, LC-37BX5H/M and partially modified.
For the contents not covered in this Service Manual, accordingly, please refer to the LC-32BX5H/M, LC-37BX5H/M (S56T7LC32BX5M) Service Manual.

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Parts Guide

Parts marked with "⚠" are important for maintaining the safety of the set. Be sure to replace these parts with specified ones for maintaining the safety and performance of the set.

DIFFERENCES FROM BASE MODEL**LIST OF CHANGED PARTS****■LC-32PX5M / LC-32PX5X**

Ref. No.	Description	LC-32BX5M	LC-32PX5M	LC-32PX5X	Note
PRINTED WIRING BOARD ASSEMBLIES (NOT REPLACE ITEM)					
	OPERATION Unit	DUNTKD685FM03	DUNTKE097FM02	DUNTKE097FM02	Changes
	MAIN Unit	DUNTKD892FM03	DUNTKD892FM50	DUNTKD892FM51	Changes
	SUB Unit	DUNTKD893FM03	DUNTKD893FM50	DUNTKD893FM51	Changes
	LED, R/C Unit	DUNTKD897FM03	DUNTKE095FM02	DUNTKE095FM02	Changes
	VIDEO-IN3 Unit	DUNTKD898FM03	-	-	Delete
	POWER Unit exchange	RDENCA182WJQZ	RDENCA182WJQZ	RDENCA182WJQZ	No Changes
LED, R/C UNIT (DUNTKD095FM02)					
J101	Jack	QJAKJA014WJZZ	-	-	Delete
R111	Resistor 22 1/4W Metal Oxide	VRS-TW2ED220JY	-	-	Delete
R112	Resistor 100k 1/16W Metal Oxide	VRS-CY1JF104JY	-	-	Delete
R113	Resistor 22 1/4W Metal Oxide	VRS-TW2ED220JY	-	-	Delete
R114	Resistor 100k 1/16W Metal Oxide	VRS-CY1JF104JY	-	-	Delete
R115	Resistor 1k 1/16W Metal Oxide	VRS-CY1JF102JY	-	-	Delete
SUB UNIT (DUNTKD893FM50 / DUNTKD893FM51)					
C1319	Capacitor 220 6.3V Electrolytic	VCEASX0JN227MY	-	-	Delete
C1320	Capacitor 10 16V Ceramic	RC-KZA510WJPZY	-	-	Delete
C1321	Capacitor 0.1 25V Ceramic	VCKYCY1EF104ZY	-	-	Delete
C1322	Capacitor 220 6.3V Electrolytic	VCEASX0JN227MY	-	-	Delete
C1326	Capacitor 1000p 50V Ceramic	VCKYCY1HB102KY	-	-	Delete
C1327	Capacitor 1000p 50V Ceramic	VCKYCY1HB102KY	-	-	Delete
C1328	Capacitor 1 10V Ceramic	VCKYCY1AB105KY	-	-	Delete
C1329	Capacitor 33 10V Electrolytic	VCEASX1AN336MY	-	-	Delete
C1330	Capacitor 0.1 25V Ceramic	VCKYCY1EF104ZY	-	-	Delete
C1337	Capacitor 1 10V Ceramic	VCKYCY1AB105KY	-	-	Delete
C1901	Capacitor 1 10V Ceramic	VCKYCY1AB105KY	-	-	Delete
C1902	Capacitor 1 10V Ceramic	VCKYCY1AB105KY	-	-	Delete
C3447	Capacitor 1 10V Ceramic	VCKYCY1AB105KY	-	-	Delete
C3448	Capacitor 1 10V Ceramic	VCKYCY1AB105KY	-	-	Delete
C3449	Capacitor 0.1 16V Ceramic	VCKYCY1CB104KY	-	-	Delete
C5002	Capacitor 0.01 50V Ceramic	VCKYCY1HB103KY	-	-	Delete
C5003	Capacitor 4700p 50V Ceramic	VCKYCY1HB472KY	-	-	Delete
C5004	Capacitor 4700p 50V Ceramic	VCKYCY1HB472KY	-	-	Delete
D1901	Diode DA221TL	VHDDA221///-1Y	-	-	Delete
FB5001	Ferrite Bead BLN-0051TA	RBLN-0051TAZZY	-	-	Delete
FB5002	Ferrite Bead BLN-0051TA	RBLN-0051TAZZY	-	-	Delete
FL5001	Filter	RFILN0017TAZZY	-	-	Delete
FL5002	Filter	RFILN0017TAZZY	-	-	Delete
FL5003	Filter	RFILN0017TAZZY	-	-	Delete
IC1302	IC BH3544F-E2	VHIBH3544F+-1Y	-	-	Delete
IC1901	IC TC4W66F (TE12L,F)	VHITC4W66F/-1Y	-	-	Delete
IC1902	IC TC4W66F (TE12L,F)	VHITC4W66F/-1Y	-	-	Delete
IC2001	IC M30626FHPFPU5C	RH-IXA648WJN2Q	RH-IXA650WJN1Q	RH-IXA650WJN1Q	Changes
L1303	Coil Peaking 100uH	VPCNN101J7R7NY	-	-	Delete
P5009	Plug 14pin (VD)	QPLGNA334WJZZY	-	-	Delete
Q1302	Transistor PDTC144EE	VSRDTC144EE-1Y	-	-	Delete
Q1901	Transistor 2SC3928A	VS2SC3928AR-1Y	-	-	Delete
Q1902	Transistor UM6K1N TN	VSUM6K1NTN+-1Y	-	-	Delete
Q1903	Transistor QS6K1	VSQS6K1++++-1Y	-	-	Delete
Q1904	Transistor PDTA144EK	VSRDTA144EK-1Y	-	-	Delete
Q2002	Transistor PDTC144EE	VSRDTC144EE-1Y	-	-	Delete
R1309	Resistor 18 1/4W Metal Oxide	VRS-TW2ED180JY	-	-	Delete
R1310	Resistor 18 1/4W Metal Oxide	VRS-TW2ED180JY	-	-	Delete
R1312	Resistor 100k 1/16W Metal Oxide	VRS-CY1JF104JY	-	-	Delete
R1313	Resistor 470 1/16W Metal Oxide	VRS-CY1JF471JY	-	-	Delete
R1314	Resistor 470 1/16W Metal Oxide	VRS-CY1JF471JY	-	-	Delete
R1901	Resistor 1k 1/16W Metal Oxide	VRS-TV1JD102JY	-	-	Delete
R1902	Resistor 1k 1/16W Metal Oxide	VRS-TV1JD102JY	-	-	Delete

Ref. No.	Description	LC-32BX5M	LC-32PX5M	LC-32PX5X	Note
R1903	Resistor 4.7k 1/16W Metal Oxide	VRS-CY1JF472JY	-	-	Delete
R1904	Resistor 150k 1/16W Metal Oxide	VRS-CY1JF154JY	-	-	Delete
R1907	Resistor 1M 1/16W Metal Oxide	VRS-CY1JF105JY	-	-	Delete
R1908	Resistor 1M 1/16W Metal Oxide	VRS-CY1JF105JY	-	-	Delete
R1909	Resistor 1M 1/16W Metal Oxide	VRS-CY1JF105JY	-	-	Delete
R1910	Resistor 1M 1/16W Metal Oxide	VRS-CY1JF105JY	-	-	Delete
R1911	Resistor 150k 1/16W Metal Oxide	VRS-CY1JF154JY	-	-	Delete
R1912	Resistor 0 1/16W Metal Oxide	-	VRS-CJ1JF000JY	VRS-CJ1JF000JY	Add
R2002	Resistor 1k 1/16W Metal Oxide	VRS-CY1JF102JY	-	-	Delete
R2003	Resistor 22k 1/16W Metal Oxide	VRS-CY1JF223JY	-	-	Delete
R2005	Resistor 22k 1/16W Metal Oxide	VRS-CY1JF223JY	-	-	Delete
R2008	Resistor 100k 1/16W Metal Oxide	VRS-CY1JF104JY	-	-	Delete
R2034	Resistor 15k 1/16W Metal Oxide	VRS-CY1JF153JY	-	-	Delete
R2051	Resistor 100 1/16W Metal Oxide	VRS-CY1JF101JY	VRS-CY1JF102JY	VRS-CY1JF102JY	Changes
R2075	Resistor 100 1/16W Metal Oxide	VRS-CY1JF101JY	-	-	Delete
R3465	Resistor 100 1/16W Metal Oxide	VRS-CY1JF101JY	-	-	Delete
R3466	Resistor 100 1/16W Metal Oxide	VRS-CY1JF101JY	-	-	Delete
R5008	Resistor 1k 1/16W Metal Oxide	VRS-CY1JF102FY	-	-	Delete
R5011	Resistor 47k 1/16W Metal Oxide	VRS-CY1JF473JY	-	-	Delete
R5014	Resistor 0 1/16W Metal Oxide	VRS-CY1JF000JY	-	-	Delete
OPERATION Unit (DUNTKE097FM02)					
All parts are changed.					

In trouble shooting table, "No audio heard (4)" and "No external video screen <INPUT3>" are abolished.

Refer to the PARTS GUIDE for CABINET PARTS, SUPPLIED ACCESORIES, PACKING PARTS and SERVICE JIGS.

■LC-37PX5M / LC-37PX5X

Ref. No.	Description	LC-37BX5M	LC-37PX5M	LC-37PX5X	Note
PRINTED WIRING BOARD ASSEMBLIES (NOT REPLACE ITEM)					
	OPERATION Unit	DUNTKD685FM13	DUNTKE097FM04	DUNTKE097FM04	Changes
	MAIN Unit	DUNTKD892FM13	DUNTKD892FM52	DUNTKD892FM53	Changes
	SUB Unit	DUNTKD893FM13	DUNTKD893FM52	DUNTKD893FM53	Changes
	LED, R/C Unit	DUNTKD897FM13	DUNTKD897FM53	DUNTKD897FM53	Changes
	VIDEO-IN3 Unit	DUNTKD898FM13	-	-	Delete
	POWER Unit exchange	RDENCA182WJQZ	RDENCA182WJQZ	RDENCA182WJQZ	No Changes
LED, R/C UNIT (DUNTKD897FM53)					
J101	Jack	QJAKJA014WJZZ	-	-	Delete
R111	Resistor 22 1/4W Metal Oxide	VRS-TW2ED220JY	-	-	Delete
R112	Resistor 100k 1/16W Metal Oxide	VRS-CY1JF104JY	-	-	Delete
R113	Resistor 22 1/4W Metal Oxide	VRS-TW2ED220JY	-	-	Delete
R114	Resistor 100k 1/16W Metal Oxide	VRS-CY1JF104JY	-	-	Delete
R115	Resistor 1k 1/16W Metal Oxide	VRS-CY1JF102JY	-	-	Delete
SUB UNIT (DUNTKD893FM52 / DUNTKD893FM53)					
C1319	Capacitor 220 6.3V Electrolytic	VCEASX0JN227MY	-	-	Delete
C1320	Capacitor 10 16V Ceramic	RC-KZA510WJPZY	-	-	Delete
C1321	Capacitor 0.1 25V Ceramic	VCKYCY1EF104ZY	-	-	Delete
C1322	Capacitor 220 6.3V Electrolytic	VCEASX0JN227MY	-	-	Delete
C1326	Capacitor 1000p 50V Ceramic	VCKYCY1HB102KY	-	-	Delete
C1327	Capacitor 1000p 50V Ceramic	VCKYCY1HB102KY	-	-	Delete
C1328	Capacitor 1 10V Ceramic	VCKYCY1AB105KY	-	-	Delete
C1329	Capacitor 33 10V Electrolytic	VCEASX1AN336MY	-	-	Delete
C1330	Capacitor 0.1 25V Ceramic	VCKYCY1EF104ZY	-	-	Delete
C1337	Capacitor 1 10V Ceramic	VCKYCY1AB105KY	-	-	Delete
C1901	Capacitor 1 10V Ceramic	VCKYCY1AB105KY	-	-	Delete
C1902	Capacitor 1 10V Ceramic	VCKYCY1AB105KY	-	-	Delete
C3447	Capacitor 1 10V Ceramic	VCKYCY1AB105KY	-	-	Delete
C3448	Capacitor 1 10V Ceramic	VCKYCY1AB105KY	-	-	Delete
C3449	Capacitor 0.1 16V Ceramic	VCKYCY1CB104KY	-	-	Delete
C5002	Capacitor 0.01 50V Ceramic	VCKYCY1HB103KY	-	-	Delete
C5003	Capacitor 4700p 50V Ceramic	VCKYCY1HB472KY	-	-	Delete
C5004	Capacitor 4700p 50V Ceramic	VCKYCY1HB472KY	-	-	Delete
D1901	Diode DA221TL	VHDDA221///-1Y	-	-	Delete
FB5001	Ferrite Bead BLN-0051TA	RBLN-0051TAZZY	-	-	Delete
FB5002	Ferrite Bead BLN-0051TA	RBLN-0051TAZZY	-	-	Delete
FL5001	Filter	RFILN0017TAZZY	-	-	Delete
FL5002	Filter	RFILN0017TAZZY	-	-	Delete
FL5003	Filter	RFILN0017TAZZY	-	-	Delete
IC1302	IC BH3544F-E2	VHIBH3544F+-1Y	-	-	Delete
IC1901	IC TC4W66F (TE12L,F)	VHITC4W66F/-1Y	-	-	Delete
IC1902	IC TC4W66F (TE12L,F)	VHITC4W66F/-1Y	-	-	Delete
IC2001	IC M30626FHPFPU5C	RH-IXA648WJN2Q	RH-IXA650WJN1Q	RH-IXA650WJN1Q	Changes
L1303	Coil Peaking 100uH	VPCNN101J7R7NY	-	-	Delete
P5009	Plug 14pin (VD)	QPLGNA334WJZZY	-	-	Delete
Q1302	Transistor PDTC144EE	VSRDTC144EE-1Y	-	-	Delete
Q1901	Transistor 2SC3928A	VS2SC3928AR-1Y	-	-	Delete
Q1902	Transistor UM6K1N TN	VSUM6K1NTN+-1Y	-	-	Delete
Q1903	Transistor QS6K1	VSQS6K1++++-1Y	-	-	Delete
Q1904	Transistor PDTA144EK	VSRDTA144EK-1Y	-	-	Delete
Q2002	Transistor PDTC144EE	VSRDTC144EE-1Y	-	-	Delete
R1309	Resistor 18 1/4W Metal Oxide	VRS-TW2ED180JY	-	-	Delete
R1310	Resistor 18 1/4W Metal Oxide	VRS-TW2ED180JY	-	-	Delete
R1312	Resistor 100k 1/16W Metal Oxide	VRS-CY1JF104JY	-	-	Delete
R1313	Resistor 470 1/16W Metal Oxide	VRS-CY1JF471JY	-	-	Delete
R1314	Resistor 470 1/16W Metal Oxide	VRS-CY1JF471JY	-	-	Delete
R1901	Resistor 1k 1/16W Metal Oxide	VRS-TV1JD102JY	-	-	Delete
R1902	Resistor 1k 1/16W Metal Oxide	VRS-TV1JD102JY	-	-	Delete
R1903	Resistor 4.7k 1/16W Metal Oxide	VRS-CY1JF472JY	-	-	Delete
R1904	Resistor 150k 1/16W Metal Oxide	VRS-CY1JF154JY	-	-	Delete
R1907	Resistor 1M 1/16W Metal Oxide	VRS-CY1JF105JY	-	-	Delete
R1908	Resistor 1M 1/16W Metal Oxide	VRS-CY1JF105JY	-	-	Delete
R1909	Resistor 1M 1/16W Metal Oxide	VRS-CY1JF105JY	-	-	Delete

Ref. No.	Description	LC-37BX5M	LC-37PX5M	LC-37PX5X	Note
R1910	Resistor 1M 1/16W Metal Oxide	VRS-CY1JF105JY	-	-	Delete
R1911	Resistor 150k 1/16W Metal Oxide	VRS-CY1JF154JY	-	-	Delete
R1912	Resistor 0 1/16W Metal Oxide	-	VRS-CJ1JF000JY	VRS-CJ1JF000JY	Add
R2002	Resistor 1k 1/16W Metal Oxide	VRS-CY1JF102JY	-	-	Delete
R2003	Resistor 22k 1/16W Metal Oxide	VRS-CY1JF223JY	-	-	Delete
R2005	Resistor 22k 1/16W Metal Oxide	VRS-CY1JF223JY	-	-	Delete
R2008	Resistor 100k 1/16W Metal Oxide	VRS-CY1JF104JY	-	-	Delete
R2034	Resistor 15k 1/16W Metal Oxide	VRS-CY1JF153JY	-	-	Delete
R2051	Resistor 100 1/16W Metal Oxide	VRS-CY1JF101JY	VRS-CY1JF102JY	VRS-CY1JF102JY	Changes
R2075	Resistor 100 1/16W Metal Oxide	VRS-CY1JF101JY	-	-	Delete
R3465	Resistor 100 1/16W Metal Oxide	VRS-CY1JF101JY	-	-	Delete
R3466	Resistor 100 1/16W Metal Oxide	VRS-CY1JF101JY	-	-	Delete
R5008	Resistor 1k 1/16W Metal Oxide	VRS-CY1JF102FY	-	-	Delete
R5011	Resistor 47k 1/16W Metal Oxide	VRS-CY1JF473JY	-	-	Delete
R5014	Resistor 0 1/16W Metal Oxide	VRS-CY1JF000JY	-	-	Delete
OPERATION Unit (DUNTKE097FM04)					
All parts are changed.					

In trouble shooting table, "No audio heard (4)" and "No external video screen <INPUT3>" are abolished.

Refer to the PARTS GUIDE for CABINET PARTS, SUPPLIED ACCESORIES, PACKING PARTS and SERVICE JIGS.

SAFETY PRECAUTION

IMPORTANT SERVICE SAFETY PRECAUTION

- Service work should be performed only by qualified service technicians who are thoroughly familiar with all safety checks and the servicing guidelines which follow:

■WARNING

1. For continued safety, no modification of any circuit should be attempted.
2. Disconnect AC power before servicing.

■BEFORE RETURNING THE RECEIVER (Fire & Shock Hazard)

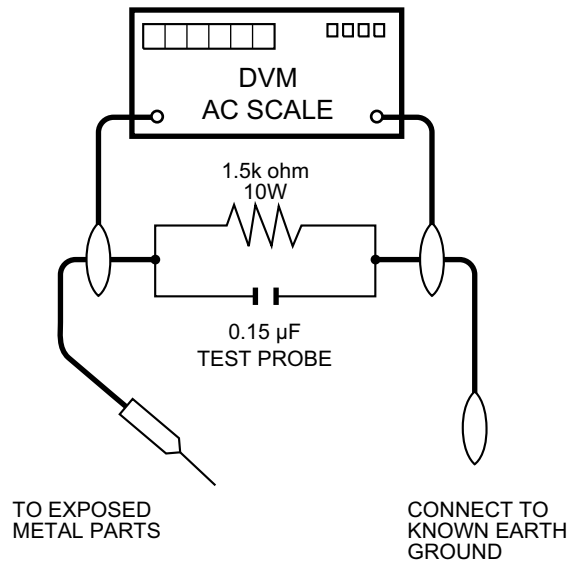
Before returning the receiver to the user, perform the following safety checks:

3. Inspect all lead dress to make certain that leads are not pinched, and check that hardware is not lodged between the chassis and other metal parts in the receiver.
4. Inspect all protective devices such as non-metallic control knobs, insulation materials, cabinet backs, adjustment and compartment covers or shields, isolation resistor-capacitor networks, mechanical insulators, etc.
5. To be sure that no shock hazard exists, check for leakage current in the following manner.
 - Plug the AC cord directly into a 110 ~ 240 volt AC outlet.
 - Using two clip leads, connect a 1.5k ohm, 10 watt resistor paralleled by a 0.15 μ F capacitor in series with all exposed metal cabinet parts and a known earth ground, such as electrical conduit or electrical ground connected to an earth ground.
 - Use an AC voltmeter having with 5000 ohm per volt, or higher, sensitivity or measure the AC voltage drop across the resistor.

- Connect the resistor connection to all exposed metal parts having a return to the chassis (antenna, metal cabinet, screw heads, knobs and control shafts, escutcheon, etc.) and measure the AC voltage drop across the resistor.

All checks must be repeated with the AC cord plug connection reversed. (If necessary, a non polarized adaptor plug must be used only for the purpose of completing these checks.)

Any reading of 0.74 Vrms (this corresponds to 0.5 mA rms AC.) or more is excessive and indicates a potential shock hazard which must be corrected before returning the monitor to the owner.



SAFETY NOTICE

Many electrical and mechanical parts in LCD color television have special safety-related characteristics.

These characteristics are often not evident from visual inspection, nor can protection afforded by them be necessarily increased by using replacement components rated for higher voltage, wattage, etc.

Replacement parts which have these special safety characteristics are identified in this manual; electrical components having such features are identified by " " and shaded areas in the **Replacement Parts Lists** and **Schematic Diagrams**.

For continued protection, replacement parts must be identical to those used in the original circuit.

The use of a substitute replacement parts which do not have the same safety characteristics as the factory recommended replacement parts shown in this service manual, may create shock, fire or other hazards.

Precautions for using lead-free solder

■Employing lead-free solder

- “All PWBs” of this model employs lead-free solder. The LF symbol indicates lead-free solder, and is attached on the PWBs and service manuals. The alphabetical character following LF shows the type of lead-free solder.

Example:

LFa

Sn-Ag-Cu

Indicates lead-free solder of tin, silver and copper.

LFa/a

Sn-Ag-Cu

Indicates lead-free solder of tin, silver and copper.

■Using lead-free wire solder

- When fixing the PWB soldered with the lead-free solder, apply lead-free wire solder. Repairing with conventional lead wire solder may cause damage or accident due to cracks.

As the melting point of lead-free solder (Sn-Ag-Cu) is higher than the lead wire solder by 40 °C, we recommend you to use a dedicated soldering bit, if you are not familiar with how to obtain lead-free wire solder or soldering bit, contact our service station or service branch in your area.

■Soldering

- As the melting point of lead-free solder (Sn-Ag-Cu) is about 220 °C which is higher than the conventional lead solder by 40 °C, and as it has poor solder wettability, you may be apt to keep the soldering bit in contact with the PWB for extended period of time. However, Since the land may be peeled off or the maximum heat-resistance temperature of parts may be exceeded, remove the bit from the PWB as soon as you confirm the steady soldering condition.

Lead-free solder contains more tin, and the end of the soldering bit may be easily corroded. Make sure to turn on and off the power of the bit as required.

If a different type of solder stays on the tip of the soldering bit, it is alloyed with lead-free solder. Clean the bit after every use of it.

When the tip of the soldering bit is blackened during use, file it with steel wool or fine sandpaper.

- Be careful when replacing parts with polarity indication on the PWB silk.

Lead-free wire solder for servicing

Part No.		Description	Code
ZHNDai123250E	J	φ0.3mm 250g (1roll)	BL
ZHNDai126500E	J	φ0.6mm 500g (1roll)	BK
ZHNDai12801KE	J	φ1.0mm 1kg (1roll)	BM

CHAPTER 1. SPECIFICATIONS

[1] SPECIFICATIONS

Model			LC-32PX5M/X	LC-37PX5M/X
Item				
LCD panel			32" (80 cm) Advanced Super View & BLACK TFT LCD	37" (94 cm) Advanced Super View & BLACK TFT LCD
Number of dots			3,147,264 dots (1366 × 768 × 3 dots)	
Video Colour System			PAL/SECAM/NTSC 3.58/NTSC 4.43/PAL 60	
TV Function	TV-Standard		PAL: B/G, D/K, I SECAM: B/G, D/K, K/K ₁ NTSC: M	
	Receiving Channel	VHF/UHF	44.25—863.25 MHz	
		CATV	S1—S41ch (including Hyperband)	
	TV-Tuning System		Auto Preset 99 ch	
	STEREO/BILINGUAL		NICAM: B/G, I, D/K A2 stereo: B/G	
Brightness			450 cd/m ²	
Viewing angles			H : 176° V : 176°	
Audio amplifier			10W × 2	
Speakers			10 × 4 cm 2pcs, Ø 2 cm 2pcs	
Terminals	Rear	ANTENNA IN	UHF/VHF 75Ω DIN type	
		INPUT 1	VIDEO in, AUDIO in, COMPONENT in (480I, 576I, 480P, 576P, 720P/60Hz, 1080I/50Hz, 1080I/60Hz)	
		INPUT 2	VIDEO in, AUDIO in, COMPONENT in (480I, 576I, 480P, 576P, 720P/60Hz, 1080I/50Hz, 1080I/60Hz)	
		INPUT 3	HDMI (HDMI input) (480P, 576P, 720P/60Hz, 1080I/50Hz, 1080I/60Hz), AUDIO in	
		INPUT 4	HDMI (HDMI input) (480P, 576P, 720P/60Hz, 1080I/50Hz, 1080I/60Hz)	
		PC INPUT	15 pin mini D-sub, AUDIO in (Ø 3.5mm jack)	
		MONITOR OUTPUT	VIDEO out, AUDIO out	
		RS-232C	9 pin D-sub male connector	
OSD language			English/Chinese/Arabic	
Power Requirement			AC 110—240 V, 50/60 Hz	
Power Consumption			158 W (0.8 W Standby)	171 W (0.8 W Standby)
Weight	without stand		16.5 kg	20.3 kg
	with stand		18.4 kg	22.9 kg
Operating Temperature			0°C — 40°C	

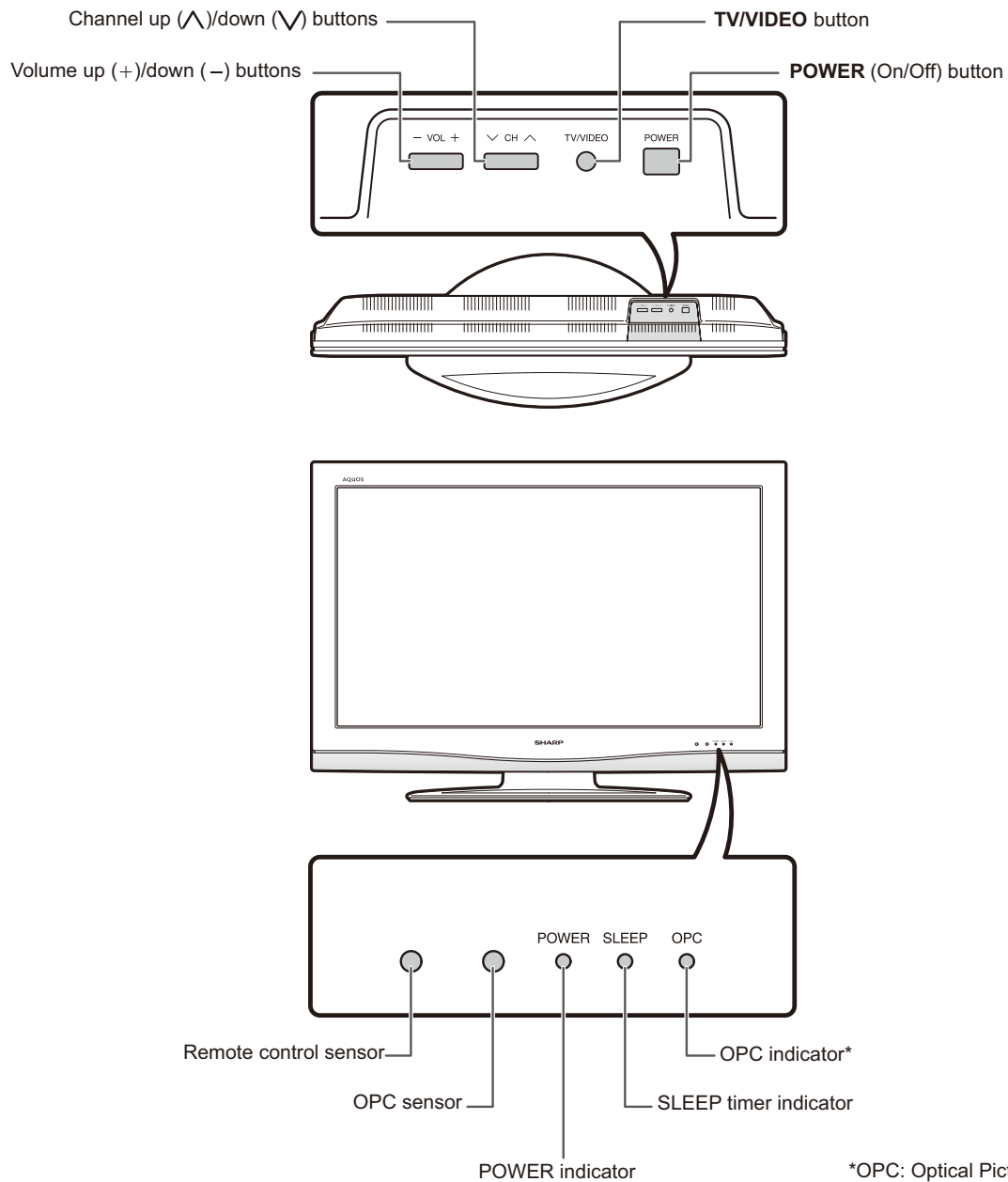
- As a part of policy of continuous improvement, SHARP reserves the right to make design and specification changes for product improvement without prior notice. The performance specification figures indicated are nominal values of production units. There may be some deviations from these values in individual units.

CHAPTER 2. OPERATION MANUAL

[1] OPERATION MANUAL

Part names

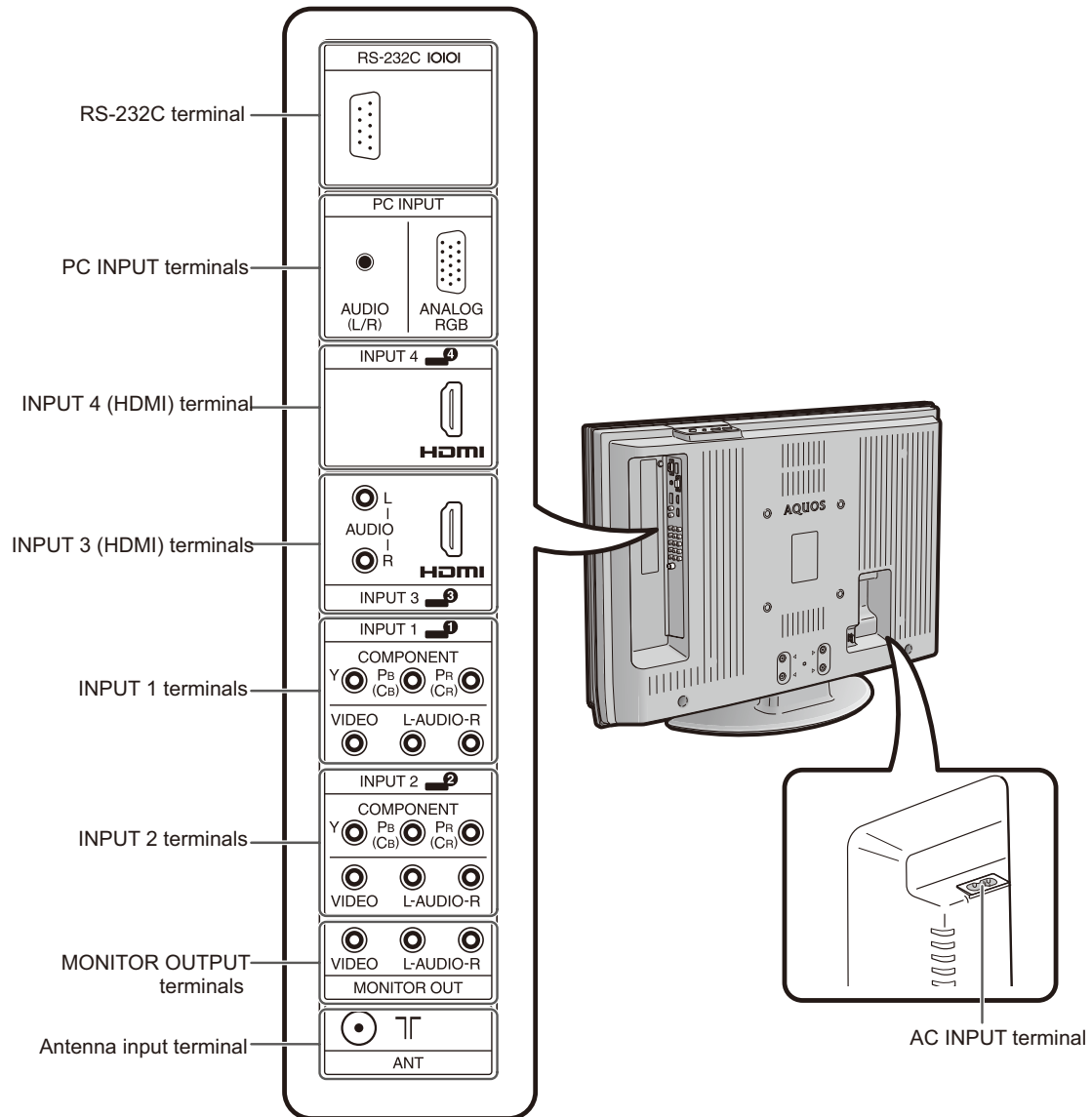
TV (Front)



*OPC: Optical Picture Control

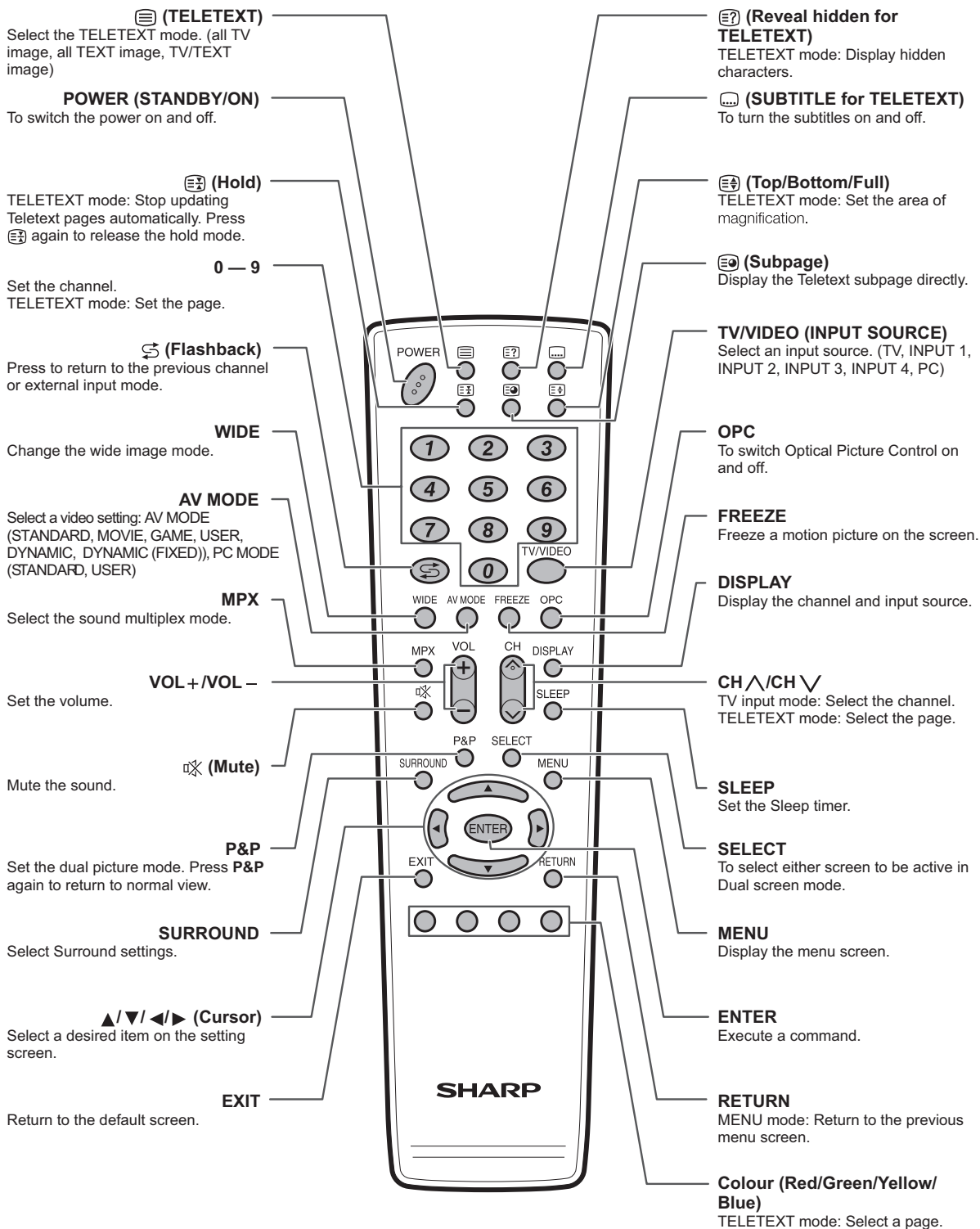
Part names

TV (Rear)



Part names

Remote control unit



NOTE

- When using the remote control unit, point it at the TV.

CHAPTER 3. DIMENSIONS

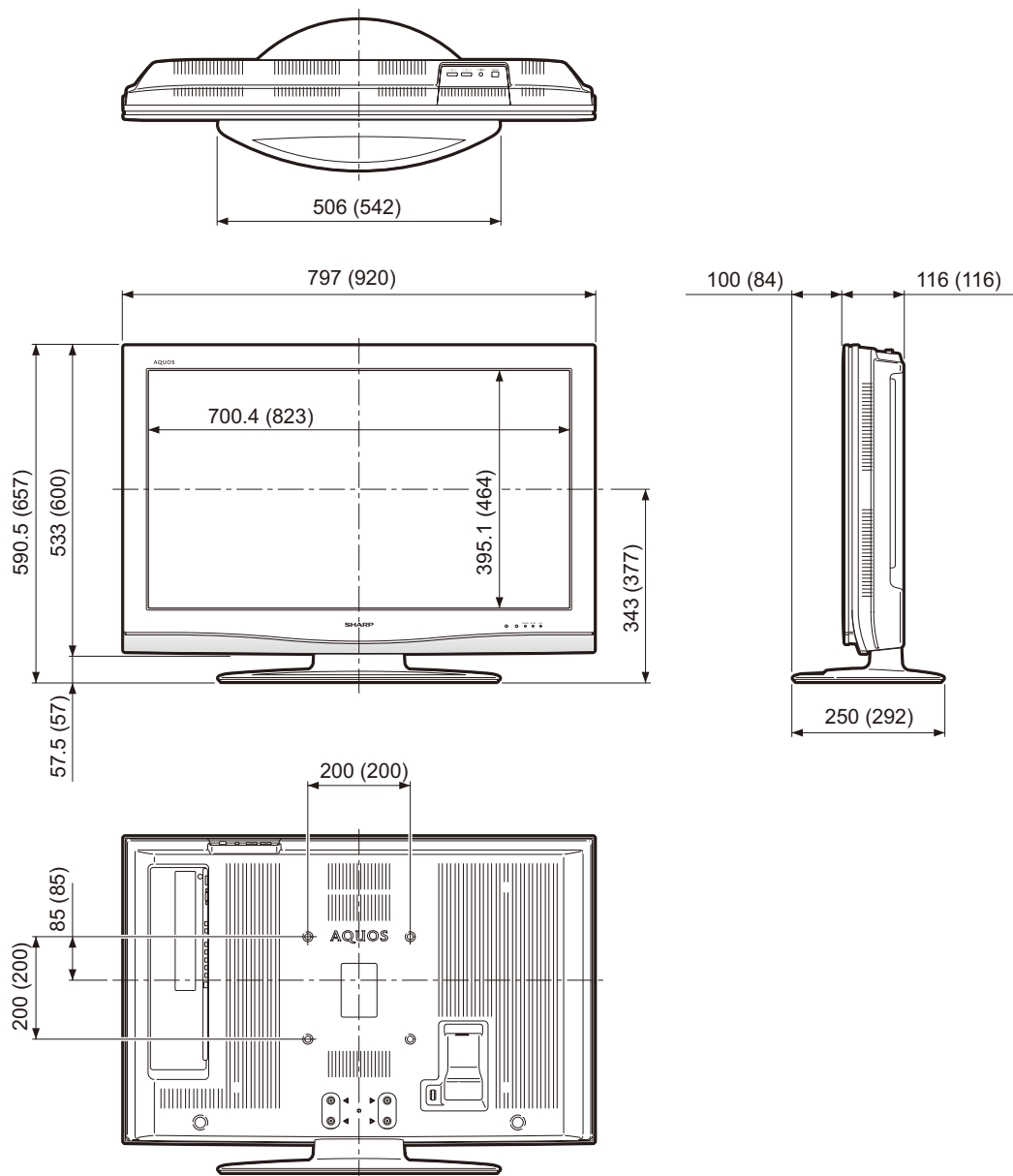
[1] DIMENSIONS

LC-32PX5M/X, LC-37PX5M/X

Unit: mm



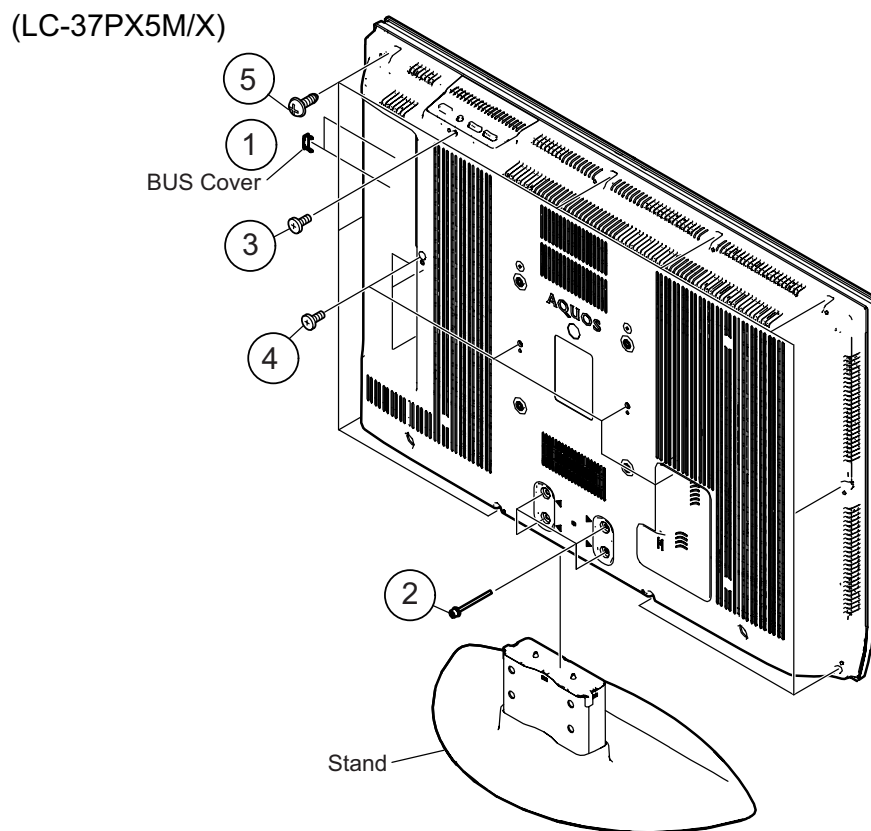
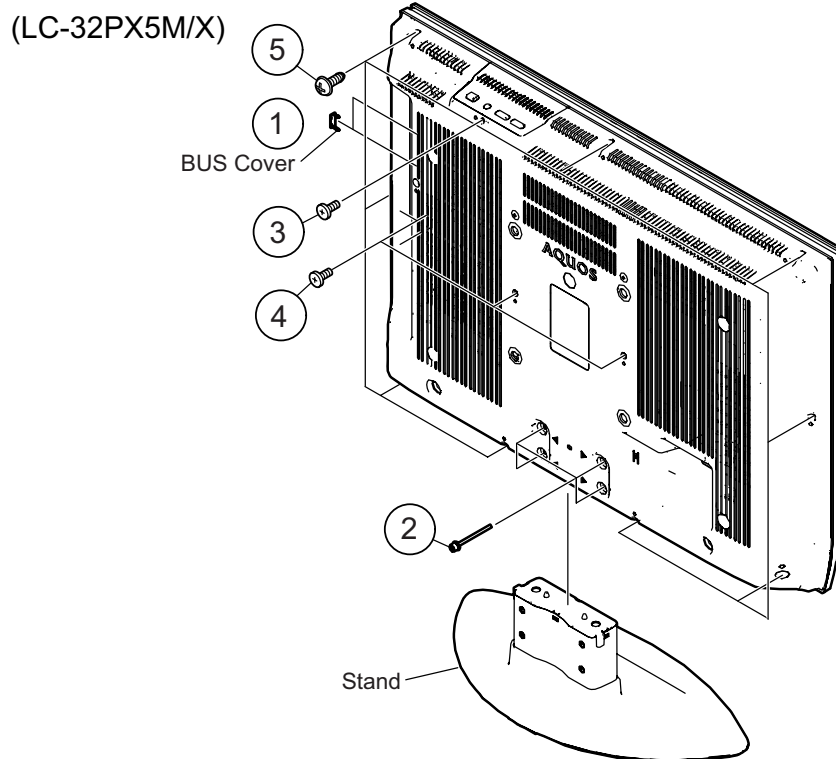
- Figures within parentheses are for LC-37PX5M/X.



CHAPTER 4. REMOVING OF MAJOR PARTS

[1] REMOVING OF MAJOR PARTS

1. Detach the 2 BUS Covers [1].
2. Remove the 4 screws [2] and detach the Stand.
3. Remove the 1 screw [3], 4 (32PX5M/X)/6 (37PX5M/X) screws [4] and the 9 (32PX5M/X)/10 (37PX5M/X) screws [5].
Detach the Rear Cabinet.



LC-32PX5M/X/LC-37PX5M/X

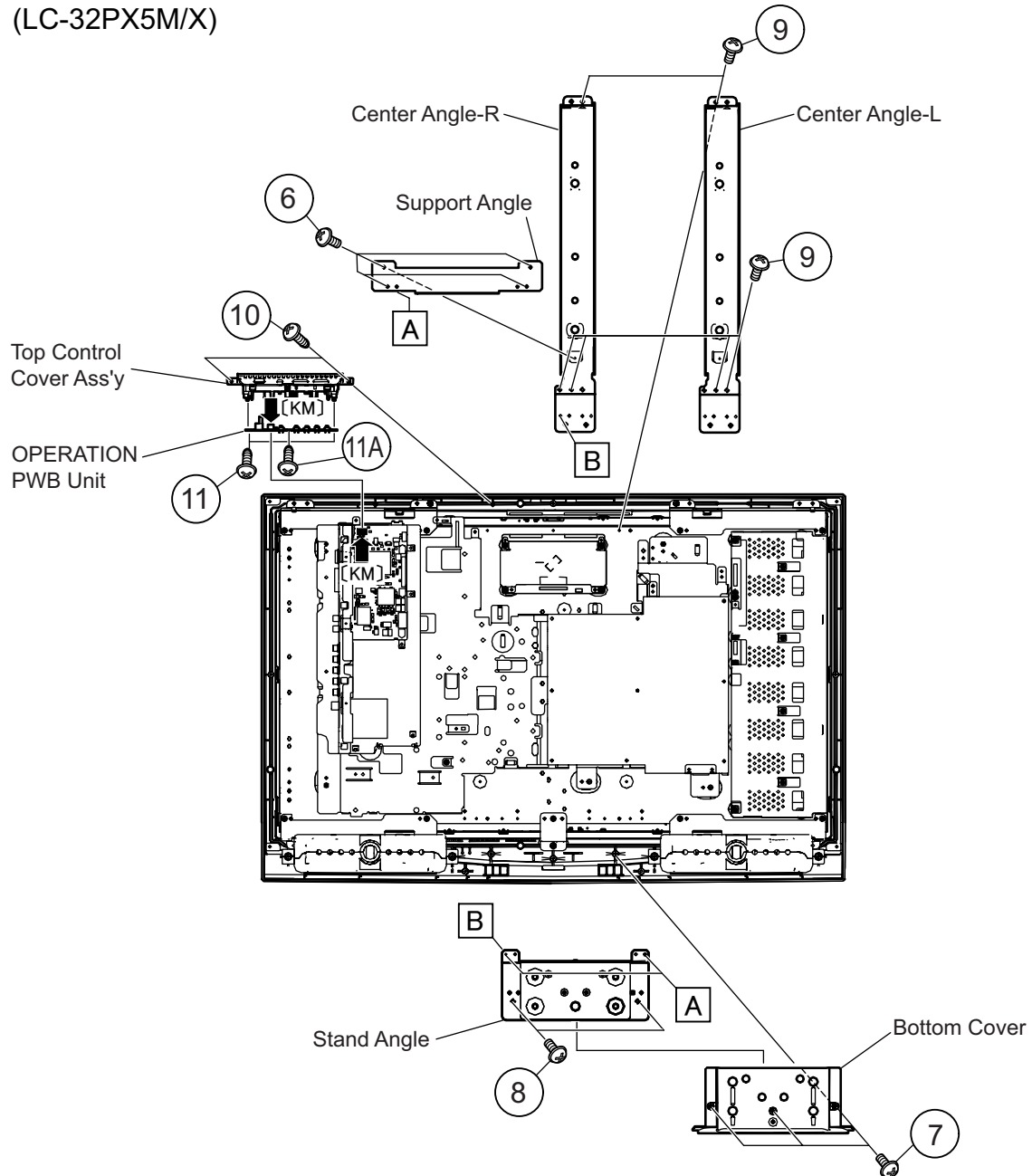
4. Remove the 4 screws [6] and detach the Support Angle.
5. Remove the 3 screws [7] and the Bottom Cover.
6. Remove the 2 (32PX5M/X)/4 (37PX5M/X) screws [8] and detach the Stand Angle.
7. Remove the 6 (32PX5M/X)/4 (37PX5M/X) screws [9].

Detach the SUS Angle-L and SUS Angle-R.

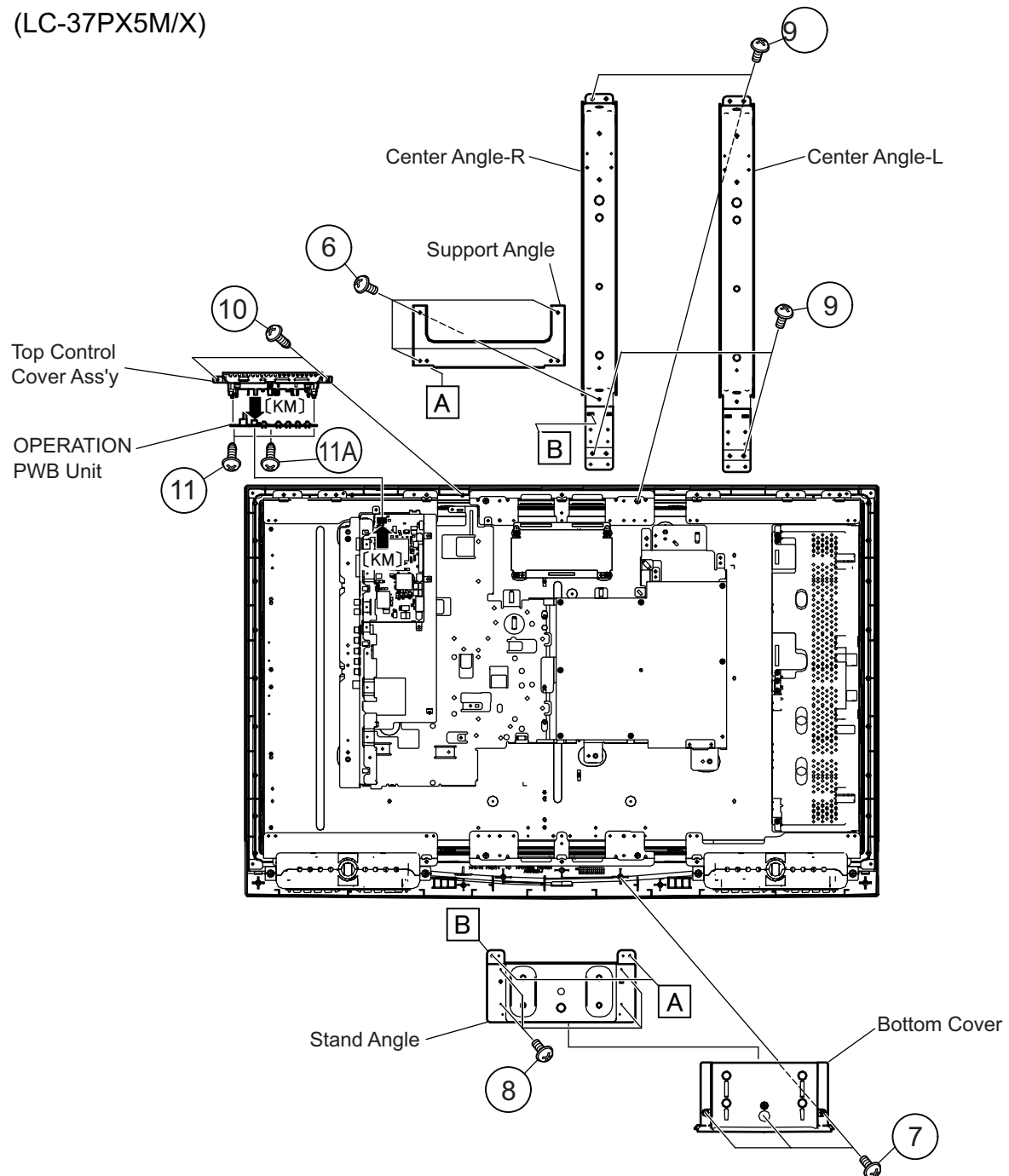
8. Remove the 2 screws [10] and detach the Top Control Cover Ass'y.

Remove the 2 screws [11], 1 screw [11A] and detach the OPERATION PWB Unit from Top Control Cover Ass'y.

(LC-32PX5M/X)



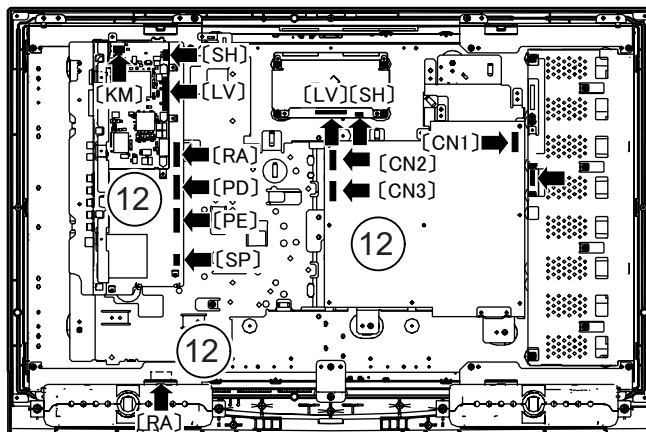
(LC-37PX5M/X)



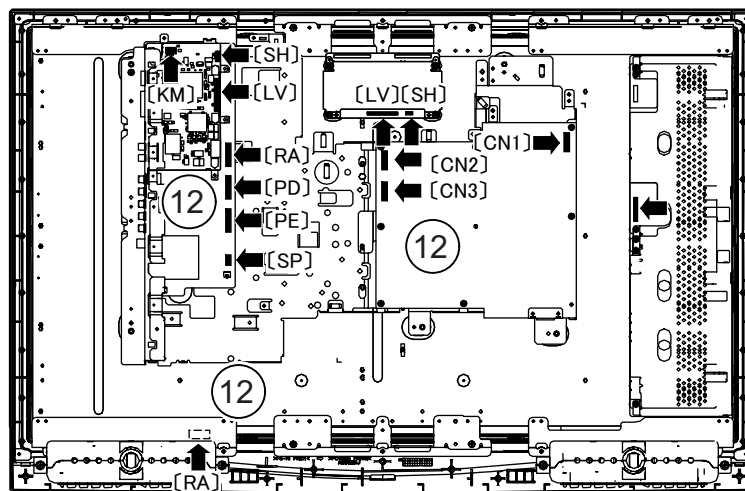
LC-32PX5M/X/LC-37PX5M/X

9. Remove all the connectors [12] from all the PWBs.

(LC-32PX5M/X)



(LC-37PX5M/X)



10. Remove the 2 (32PX5M/X)/4 (37PX5M/X) screws [13]. Detach the Speaker Box L and Speaker Box R.

11. Remove the 5 (32PX5M/X)/4 (37PX5M/X) screws [14] and detach Chassis Tray.

12. Remove the 2 screws [16] and 2 screws [17].

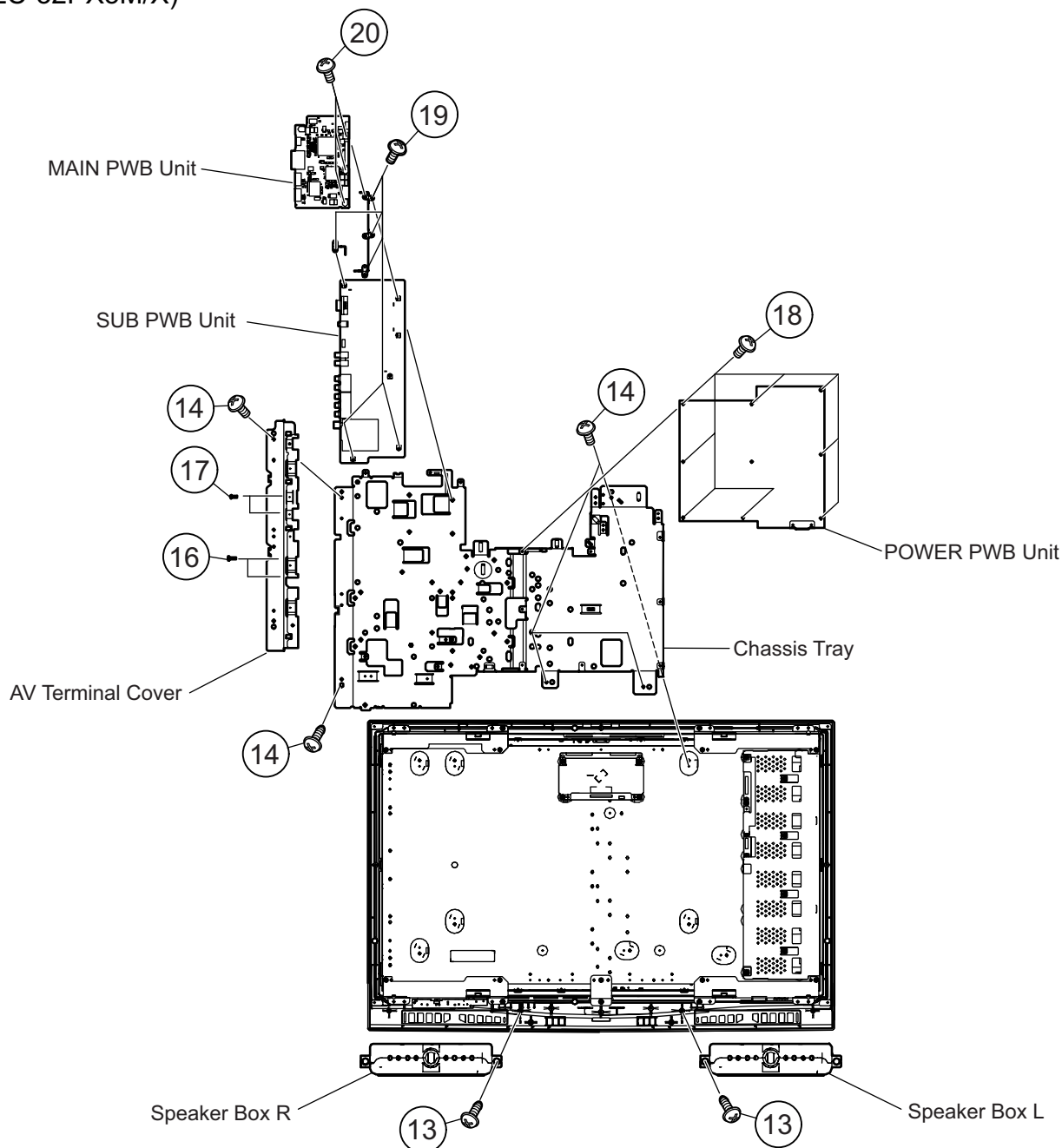
Detach the AV Terminal Cover.

13. Remove the 8 screws [18] and detach the POWER PWB Unit from Chassis Tray.

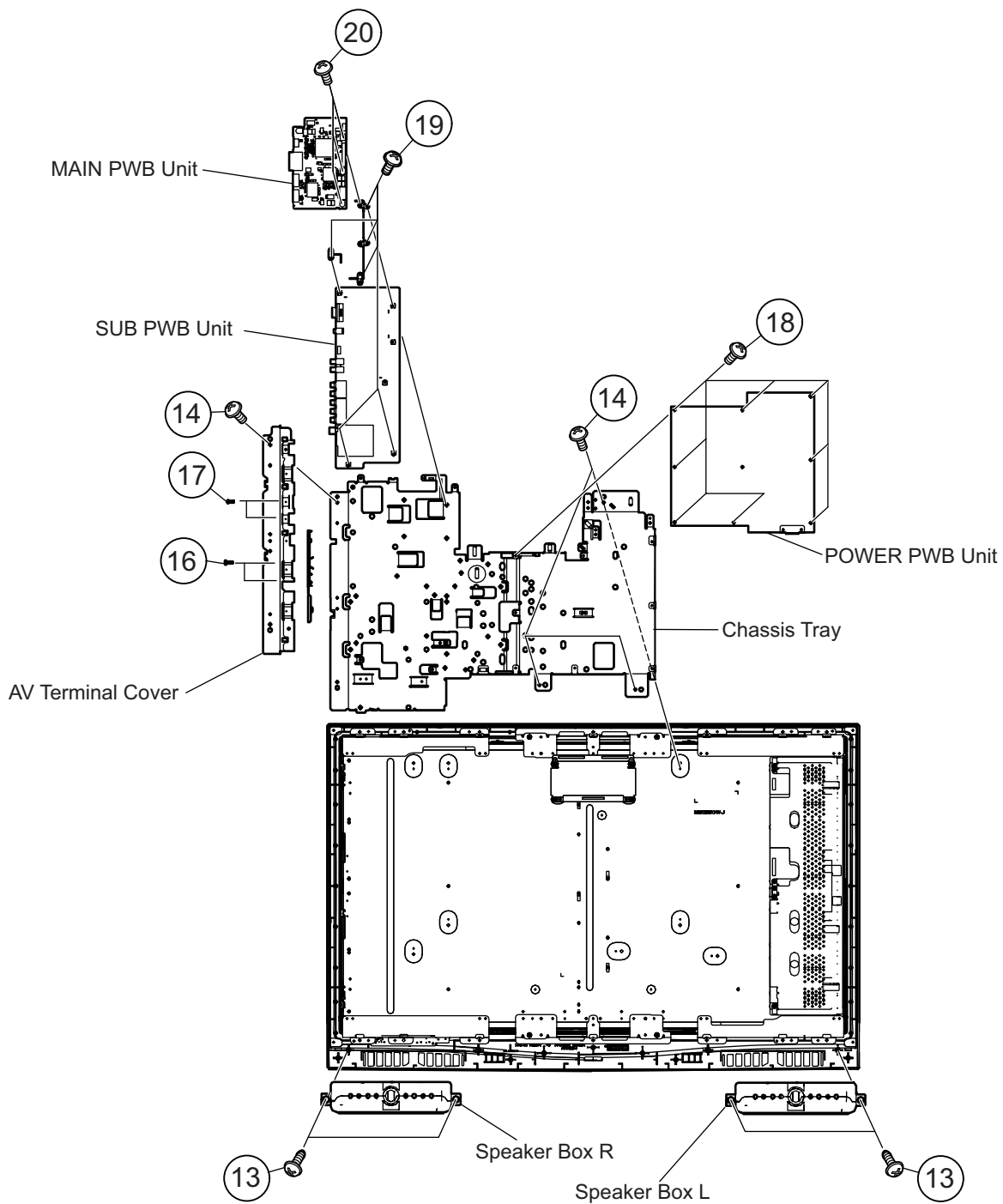
14. Remove the 6 screws [19] and detach the SUB PWB Unit from Chassis Tray.

15. Remove the 3 screws [20] and detach the MAIN PWB Unit from SUB PWB Unit.

(LC-32PX5M/X)



(LC-37PX5M/X)

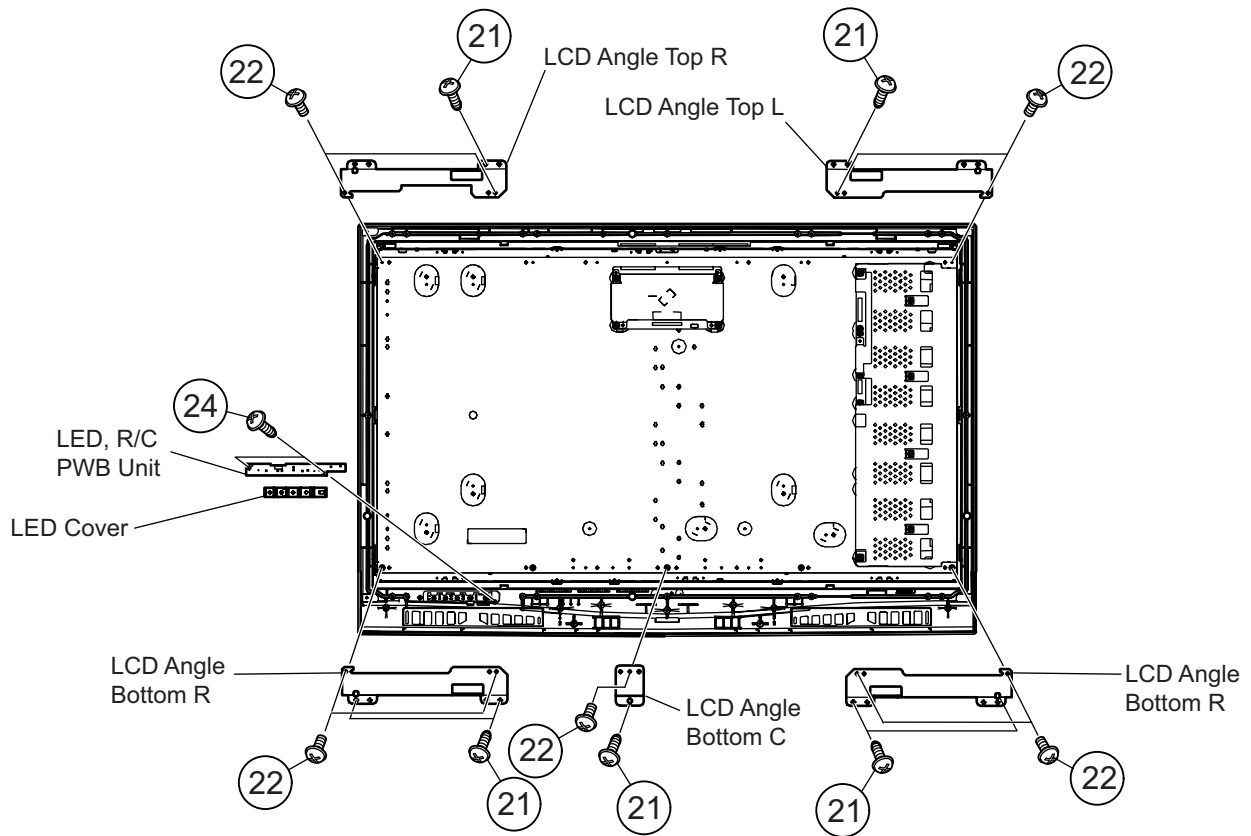


16.Remove the 7 (32PX5M/X)/6 (37PX5M/X) screws [21] and take out the LCD Panel from Front Cabinet.

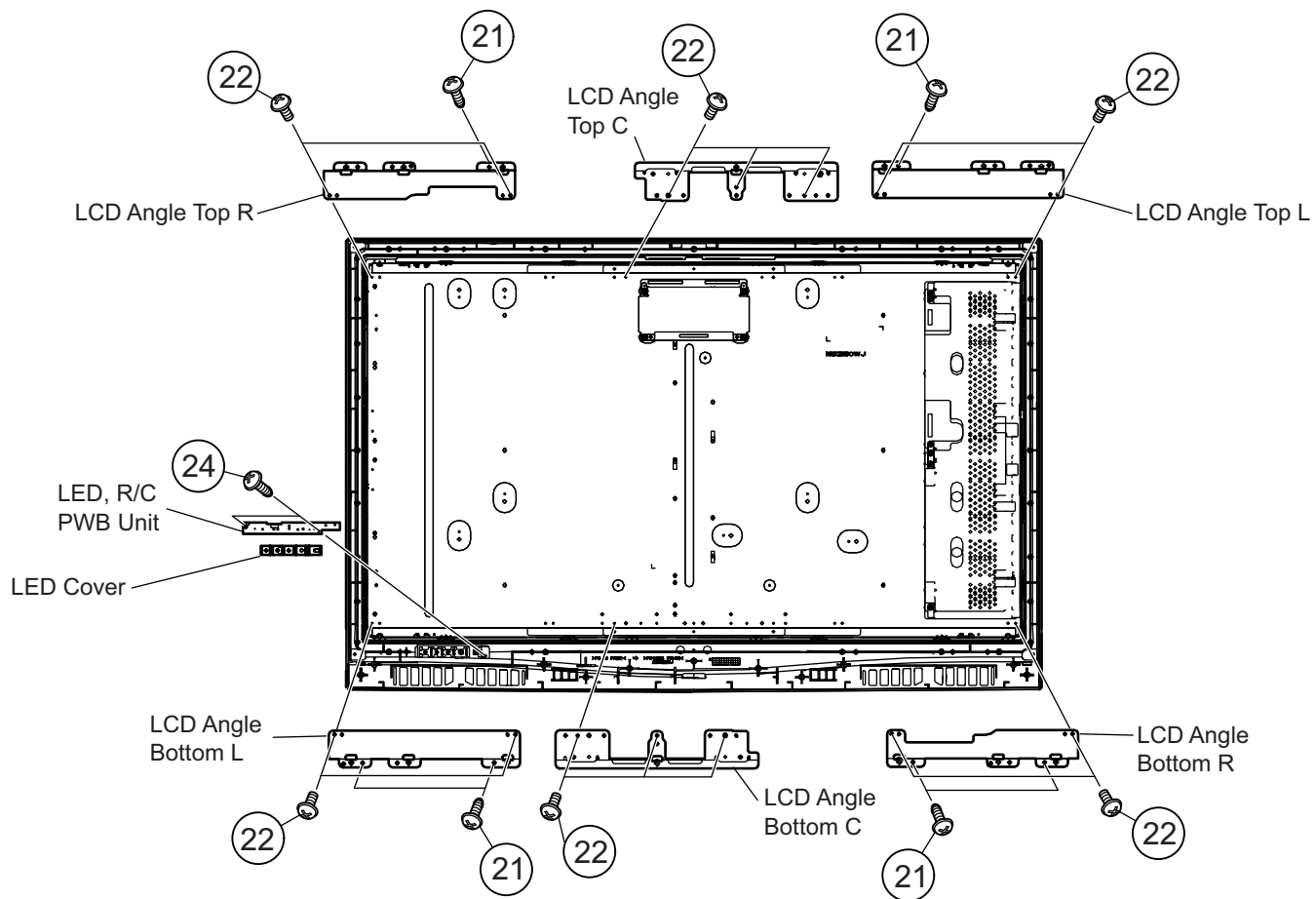
17.Remove the 9 (32PX5M/X)/14 (37PX5M/X) screws [22] and detach the LCD Angles.

18.Remove the 2 screws [24] and detach the LED, R/C PWB Unit.

(LC-32PX5M/X)



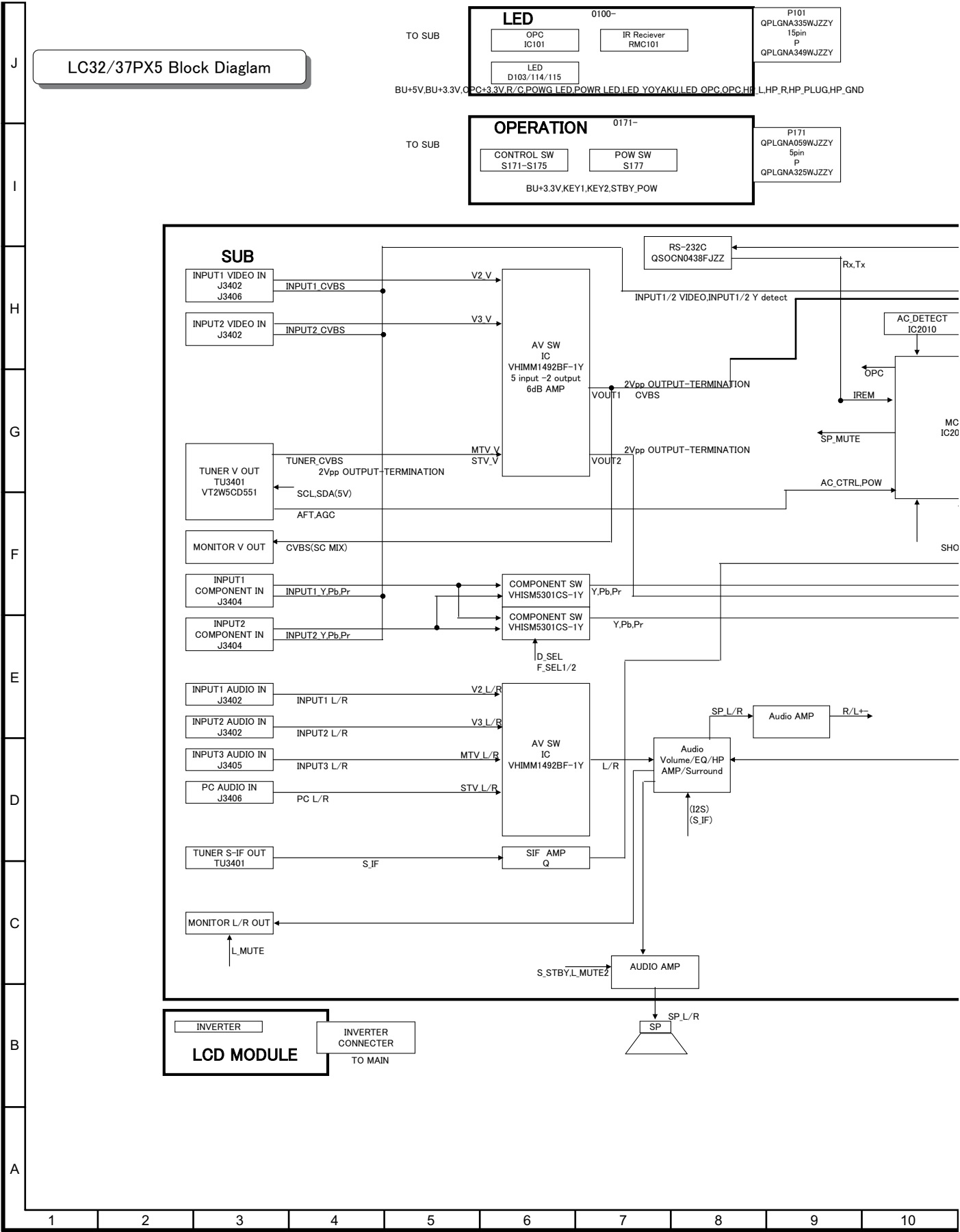
(LC-37PX5M/X)

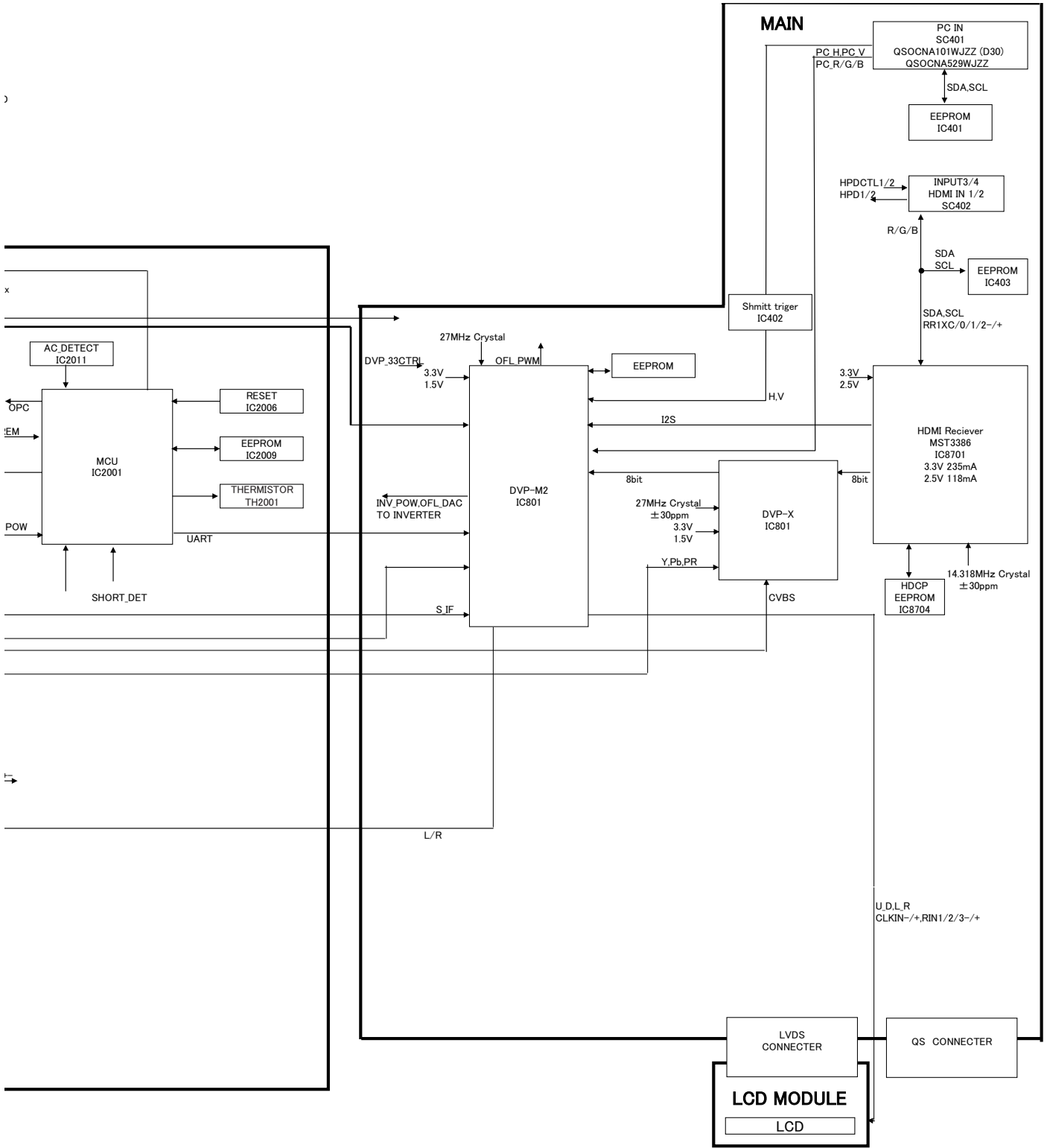


[illegible]

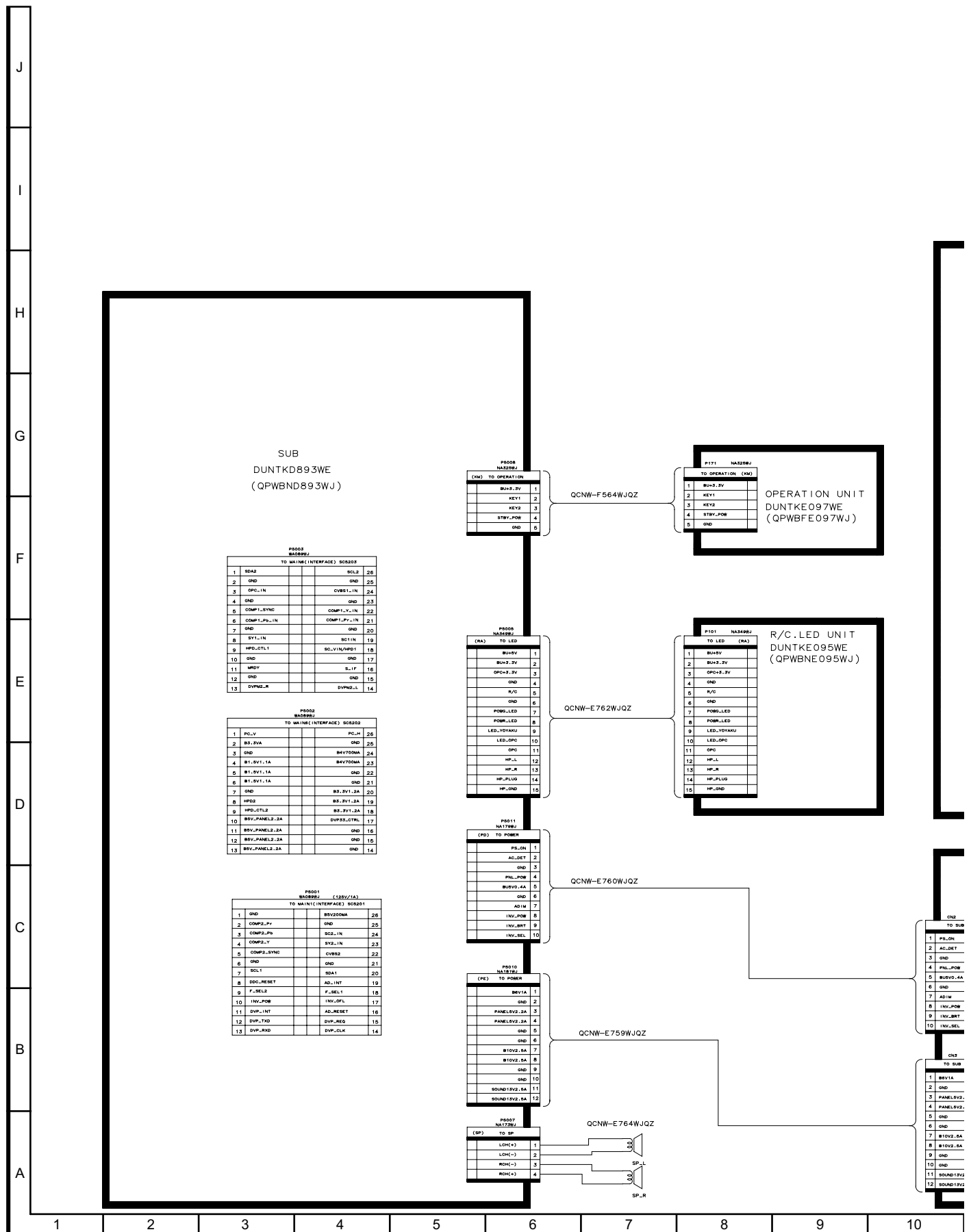
CHAPTER 5. BLOCK DIAGRAM/OVERALL WIRING DIAGRAM

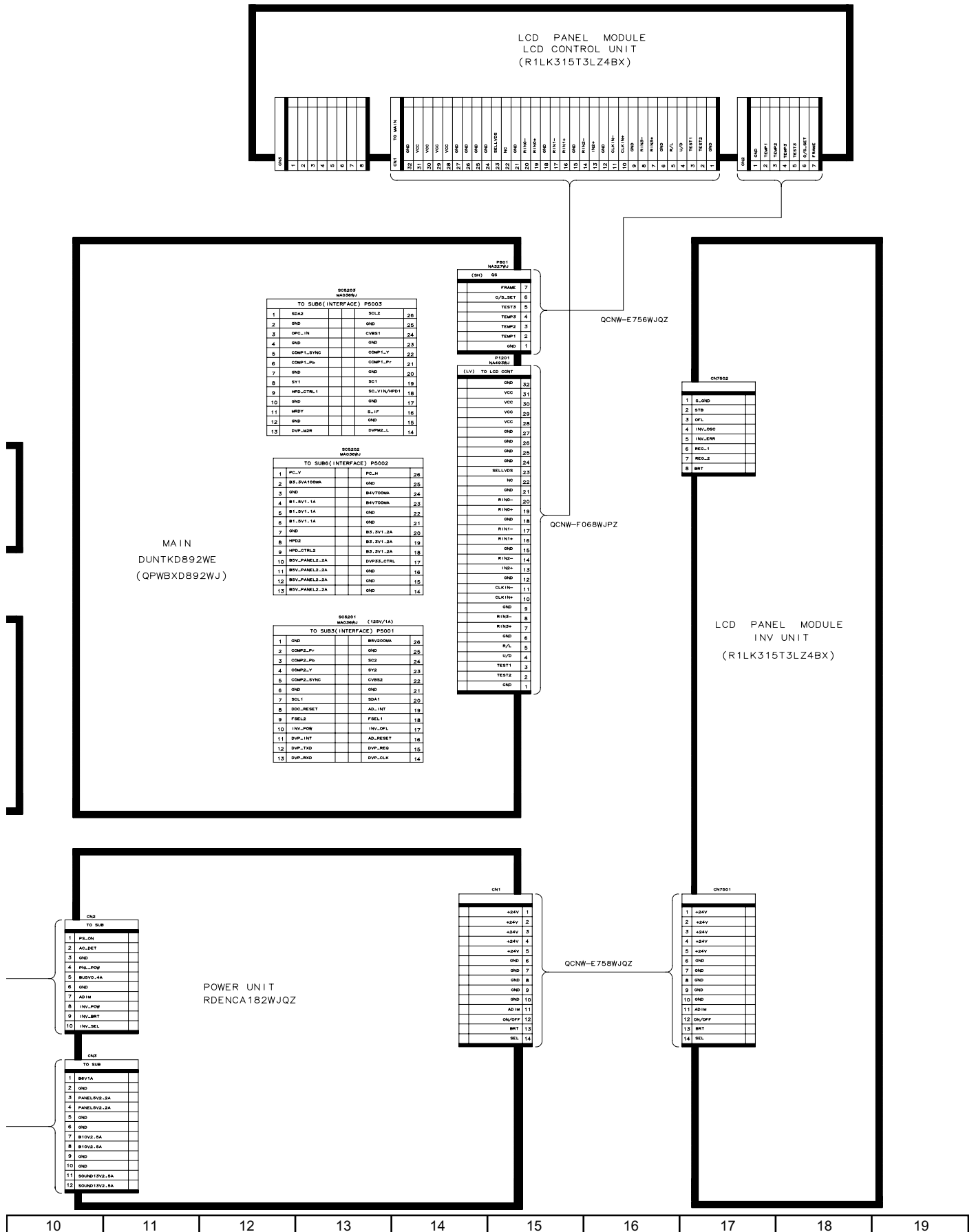
[1] BLOCK DIAGRAM



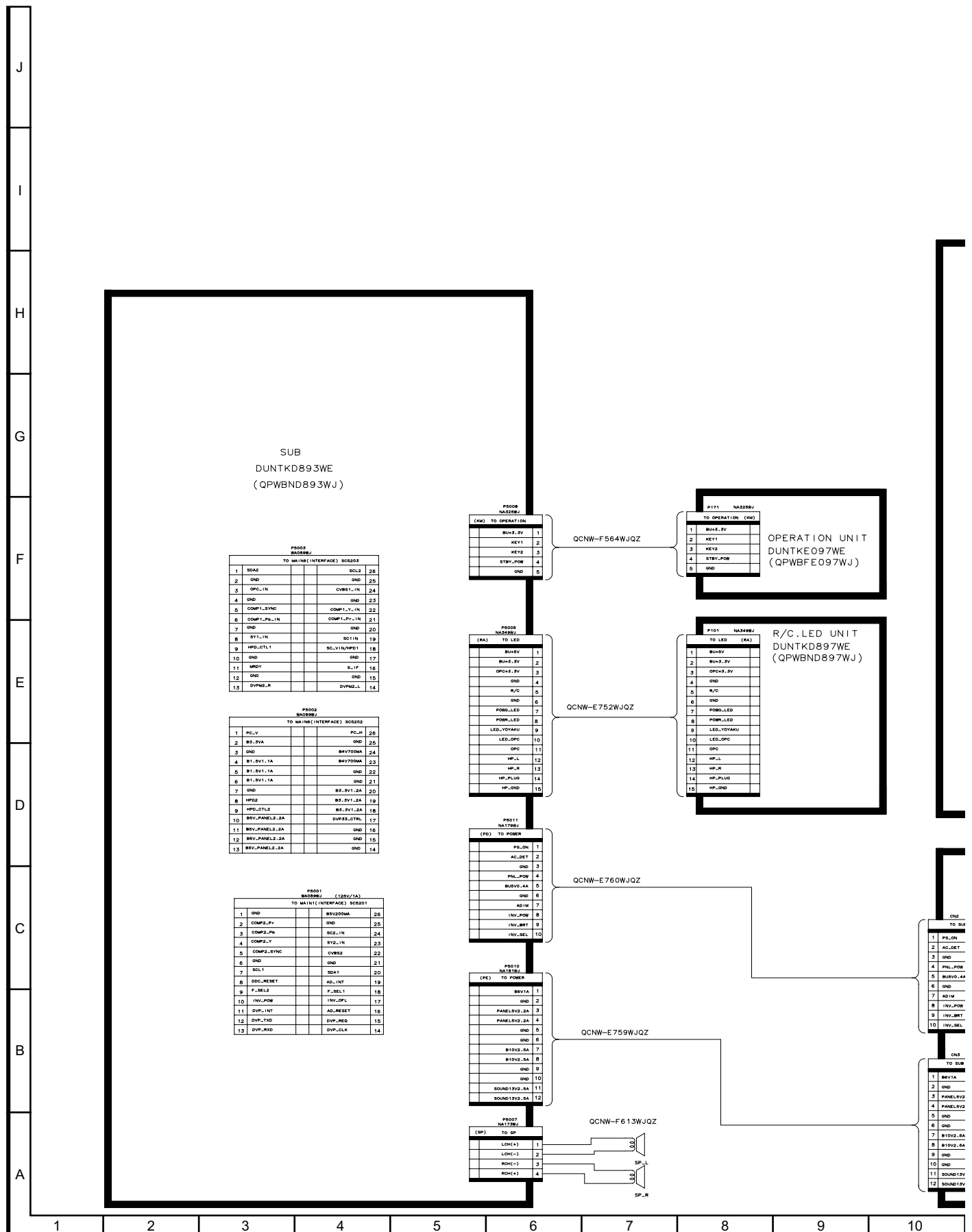


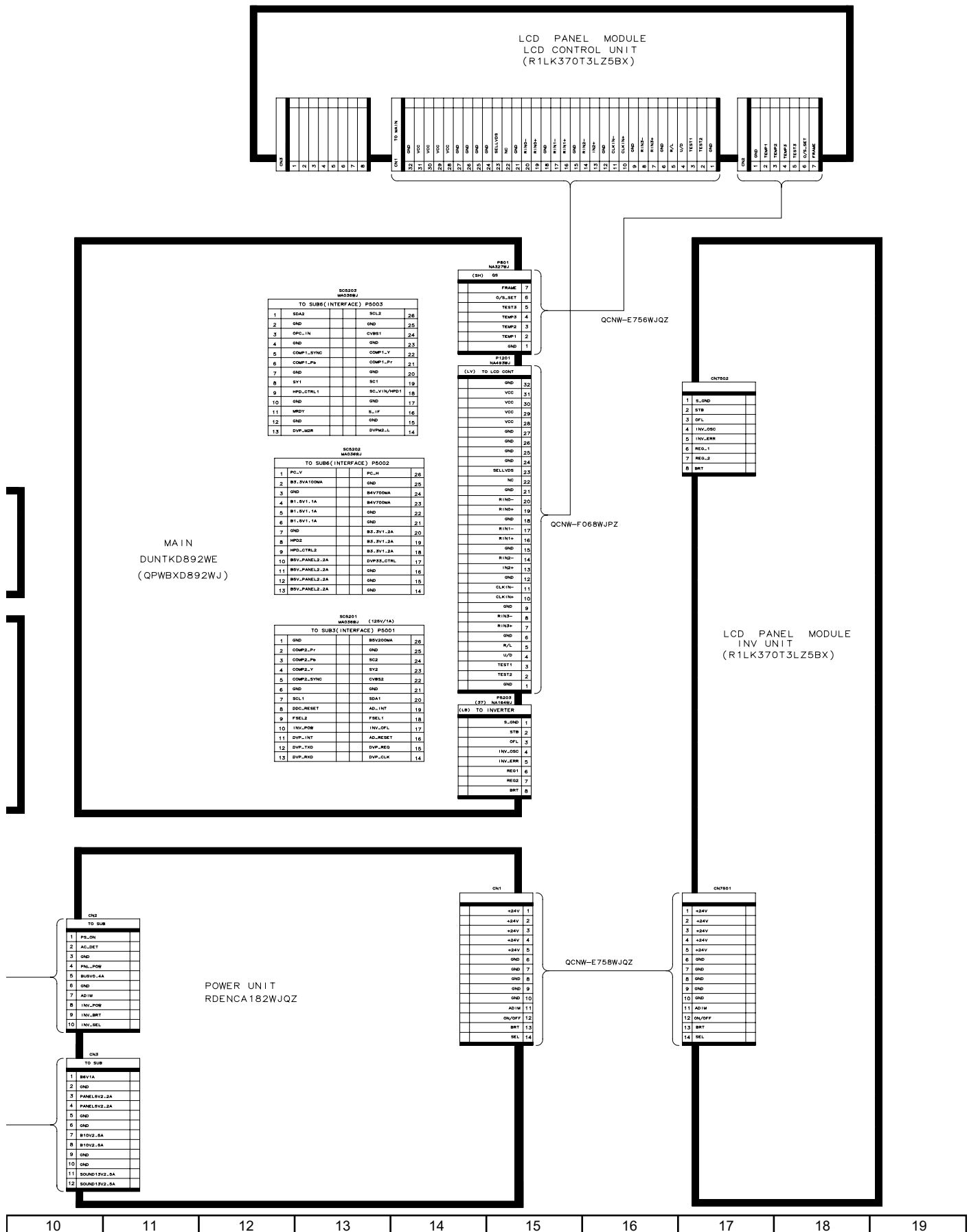
[2] OVERALL WIRING DIAGRAM (LC-32PX5M/X)





[3] OVERALL WIRING DIAGRAM (LC-37PX5M/X)





- M E M O -

[illegible]

CHAPTER 6. SCHEMATIC DIAGRAM

[1] DESCRIPTION OF SCHEMATIC DIAGRAM

VOLTAGE MEASUREMENT CONDITION:

1. The voltages at test points are measured on exclusive AC adaptor and the stable supply voltage of AC 110-240V.

Signals are fed by a colour bar signal generator for servicing purpose and the above voltages are measured with a 20k ohm/V tester.

INDICATION OF RESISTOR & CAPACITOR:

RESISTOR

1. The unit of resistance " Ω " is omitted.
(K=k Ω =1000 Ω , M=M Ω).
2. All resistors are $\pm 5\%$, unless otherwise noted.
(K= $\pm 10\%$, F= $\pm 1\%$, D= $\pm 0.5\%$)
3. All resistors are 1/16W, unless otherwise noted.

CAPACITOR

1. All capacitors are μF , unless otherwise noted.
(P=pF= $\mu\mu\text{F}$).
2. All capacitors are 50V, unless otherwise noted.

CAUTION:

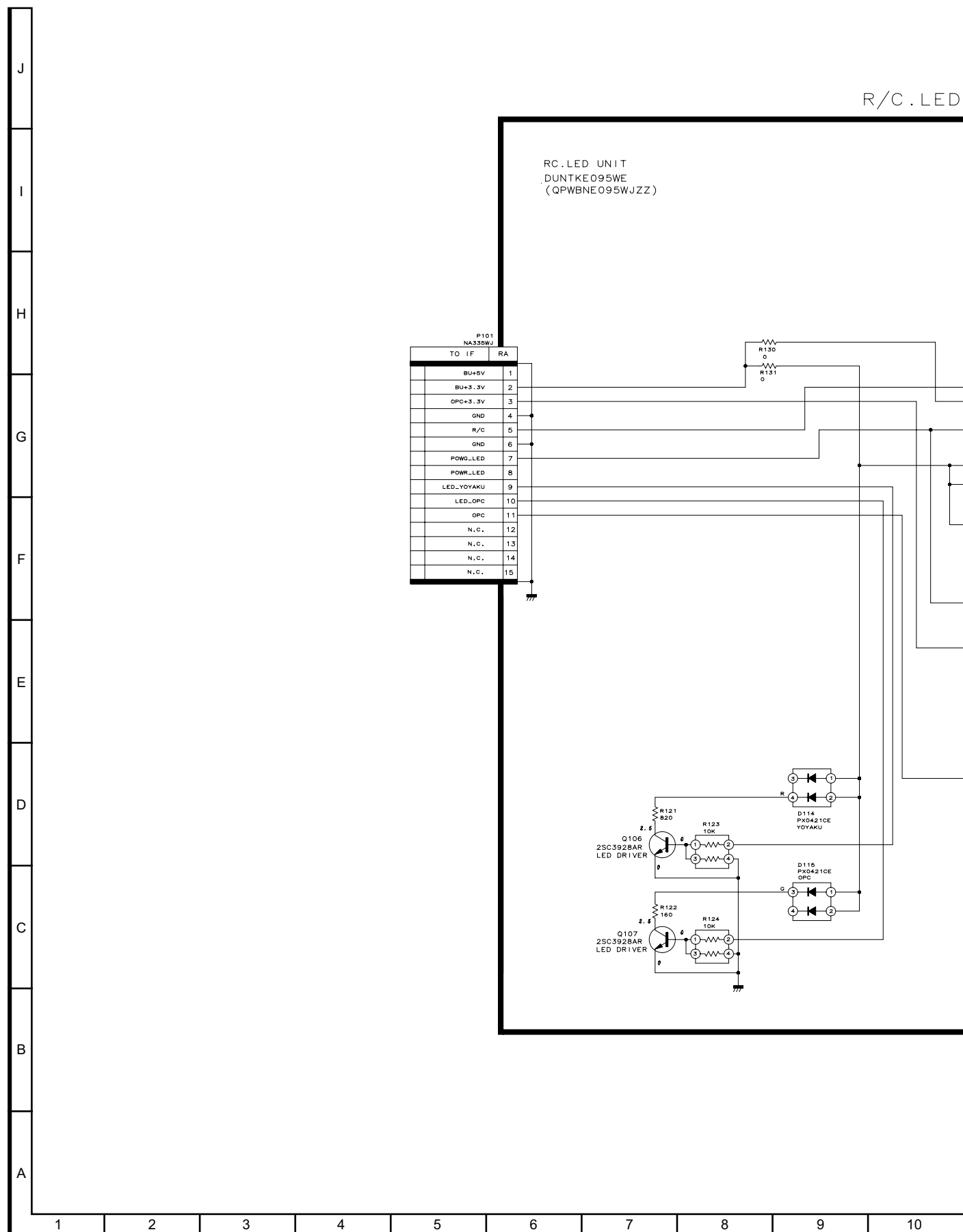
This circuit diagram is original one, therefore there may be a slight difference from yours.

SAFETY NOTES:

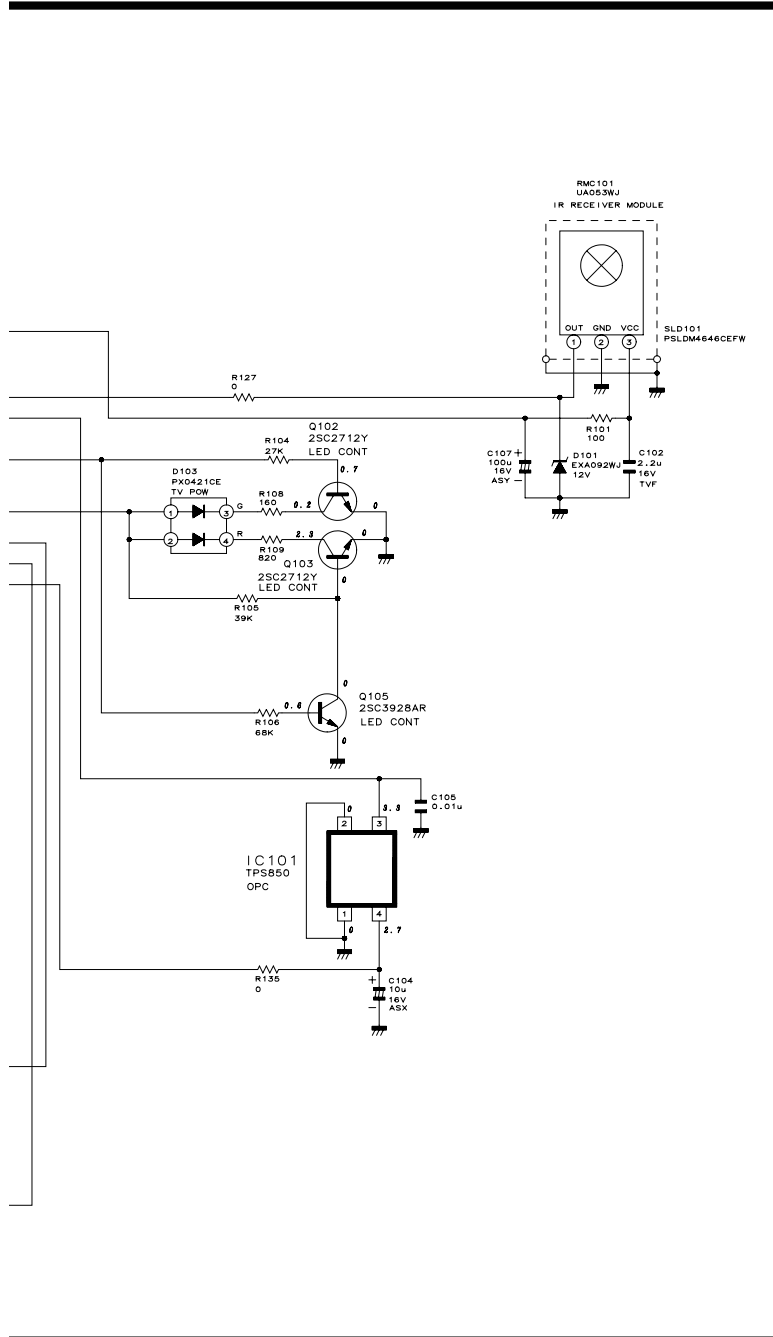
1. DISCONNECT THE AC PLUG FROM THE AC OUTLET BEFORE REPLACING PARTS.
2. SEMICONDUCTOR HEAT SINKS SHOULD BE REGARDED AS POTENTIAL SHOCK HAZARDS WHEN THE CHASSIS IS OPERATING.

IMPORTANT SAFETY NOTICE:

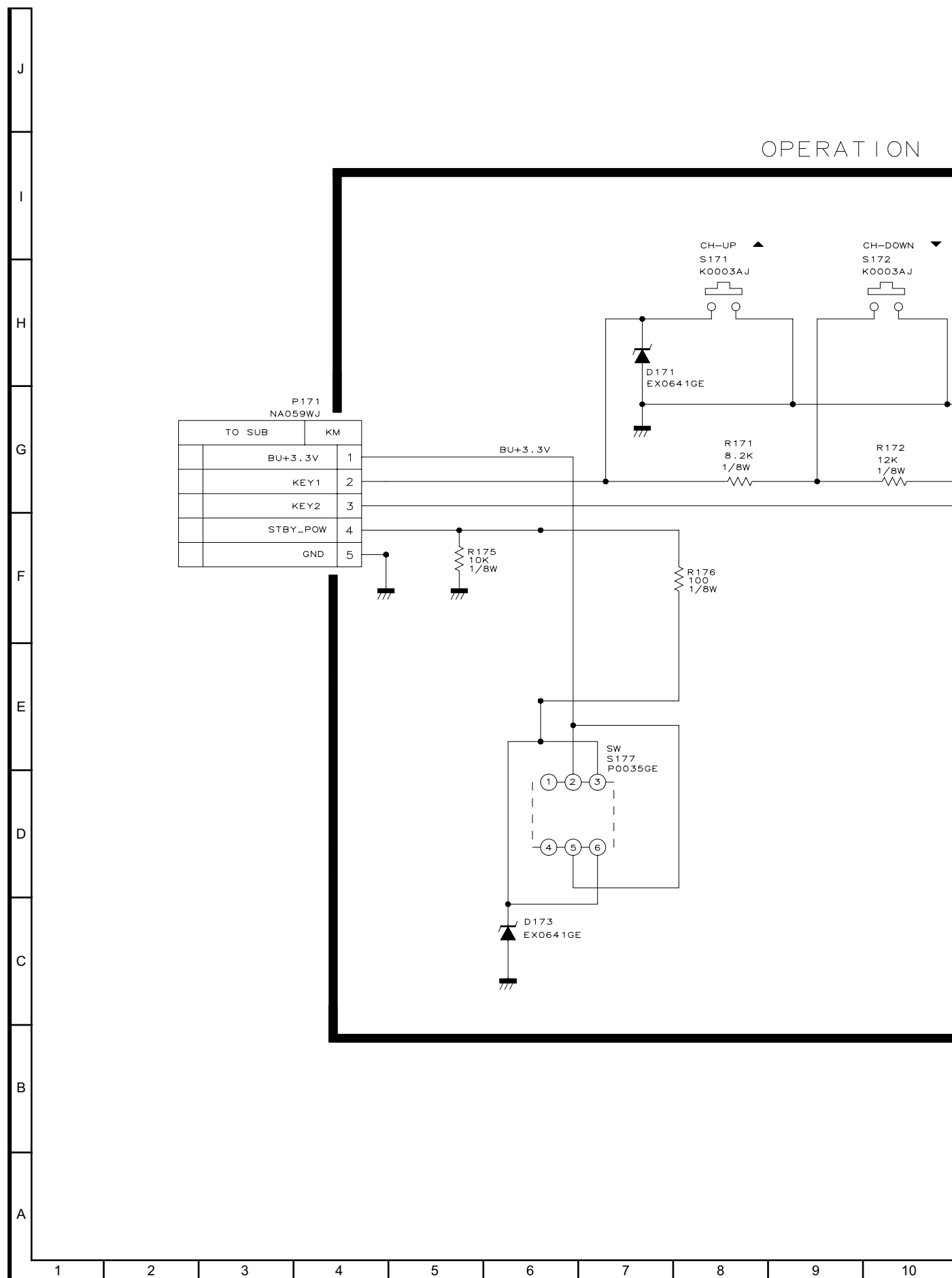
PARTS MARKED WITH "  " () ARE IMPORTANT FOR MAINTAINING THE SAFETY OF THE SET. BE SURE TO REPLACE THESE PARTS WITH SPECIFIED ONES FOR MAINTAINING THE SAFETY AND PERFORMANCE OF THE SET.

[2] SCHEMATIC DIAGRAM**1. LED, R/C Unit (LC-32PX5M/X, LC-37PX5M/X)**

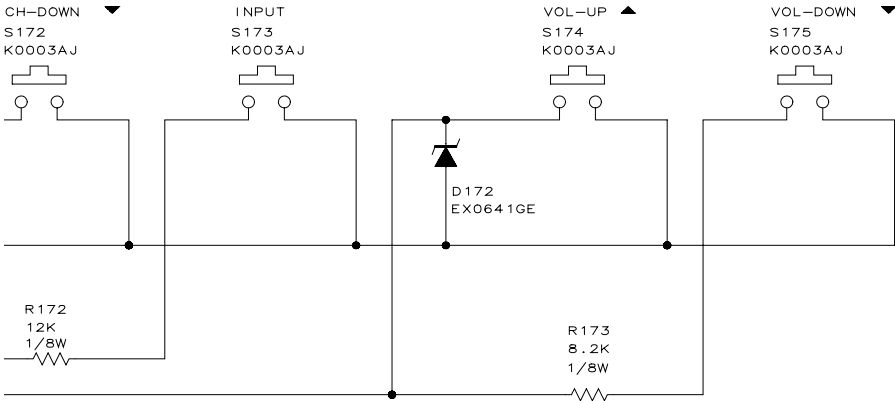
R/C.LED



2. OPERATION Unit (LC-32PX5M/X, LC-37PX5M/X)



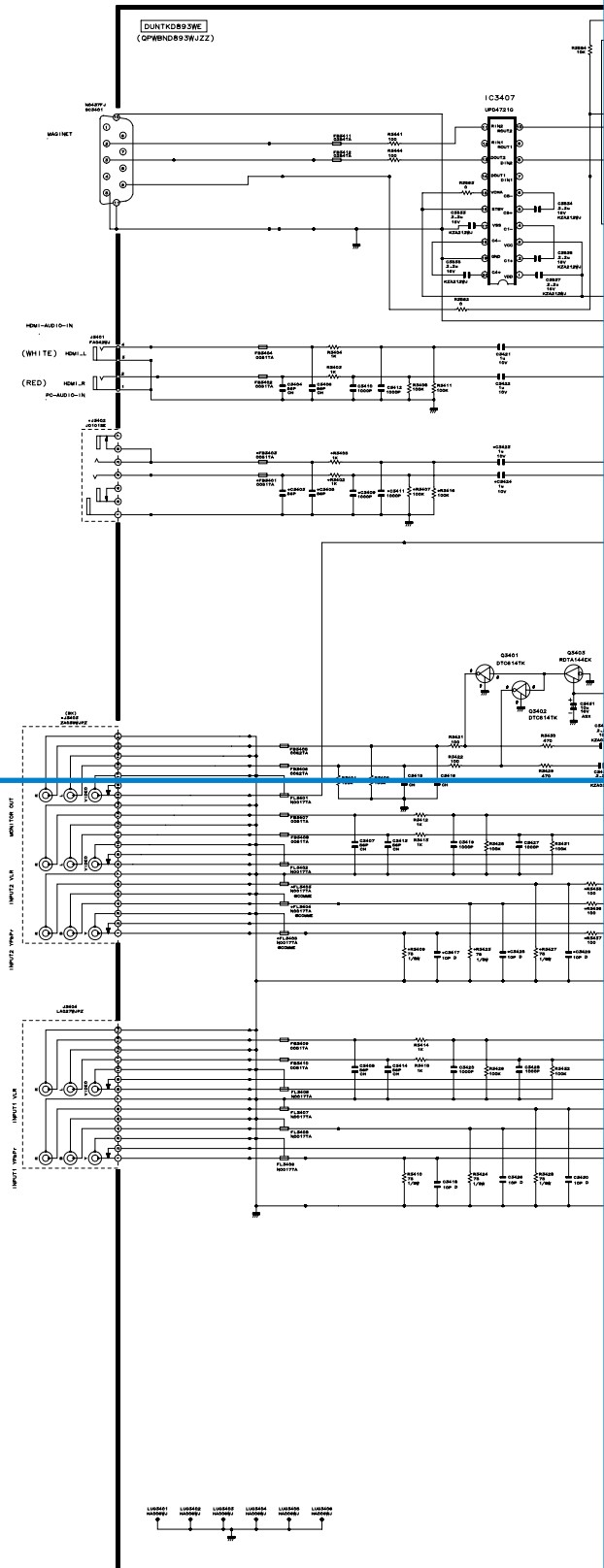
ION



OPERATION UNIT
DUNTKE097WE
(QPWBF097WJZZ)

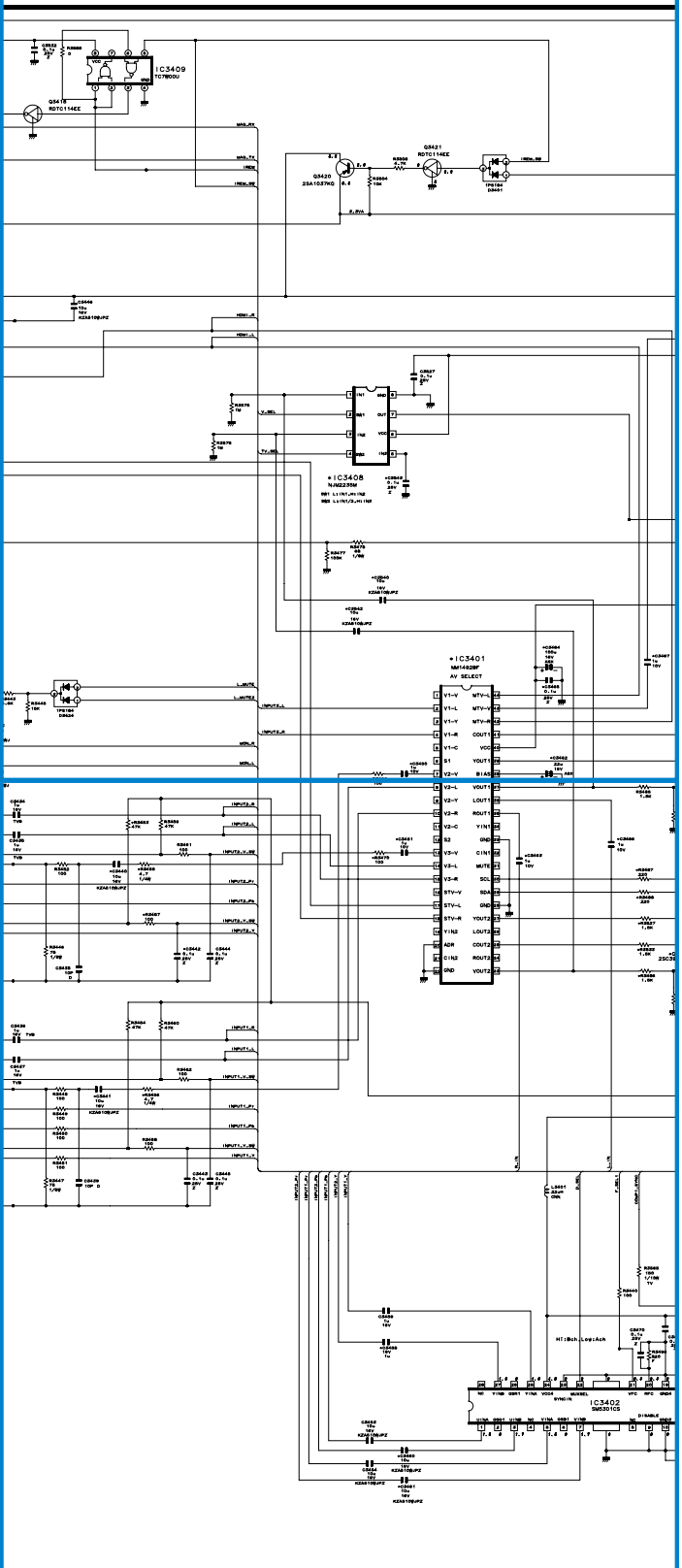
3. SUB Unit-1 (LC-32PX5M/X, LC-37PX5M/X)

(1/8) (1/8) Please peel off and refer to page 6-8.



(5/8) (5/8) Please peel off and refer to page 6-12.

(2/8) (2/8) Please peel off and refer to page 6-9.

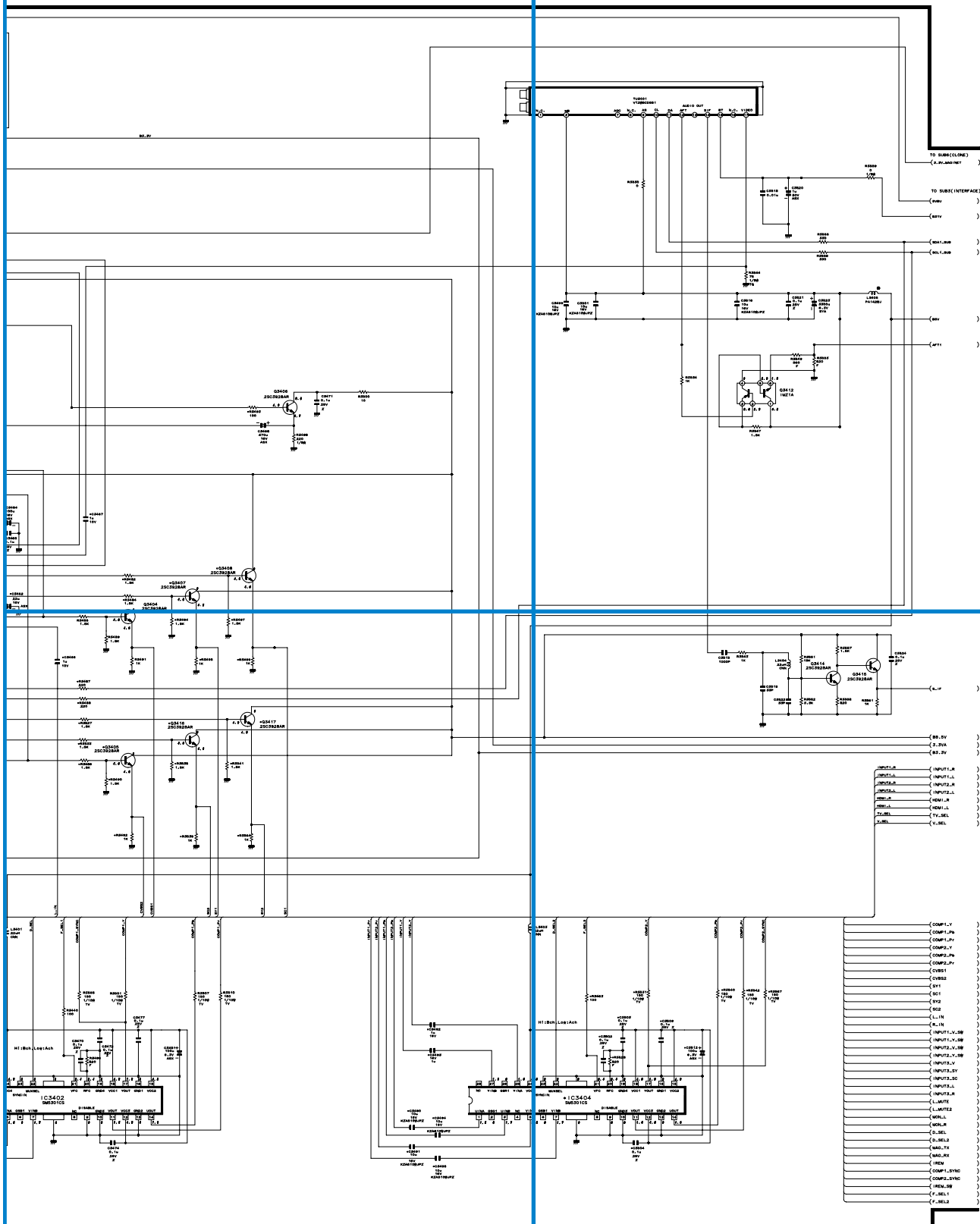


(6/8) (6/8) Please peel off and refer to page 6-13.

(3/8) (3/8) Please peel off and refer to page 6-10.

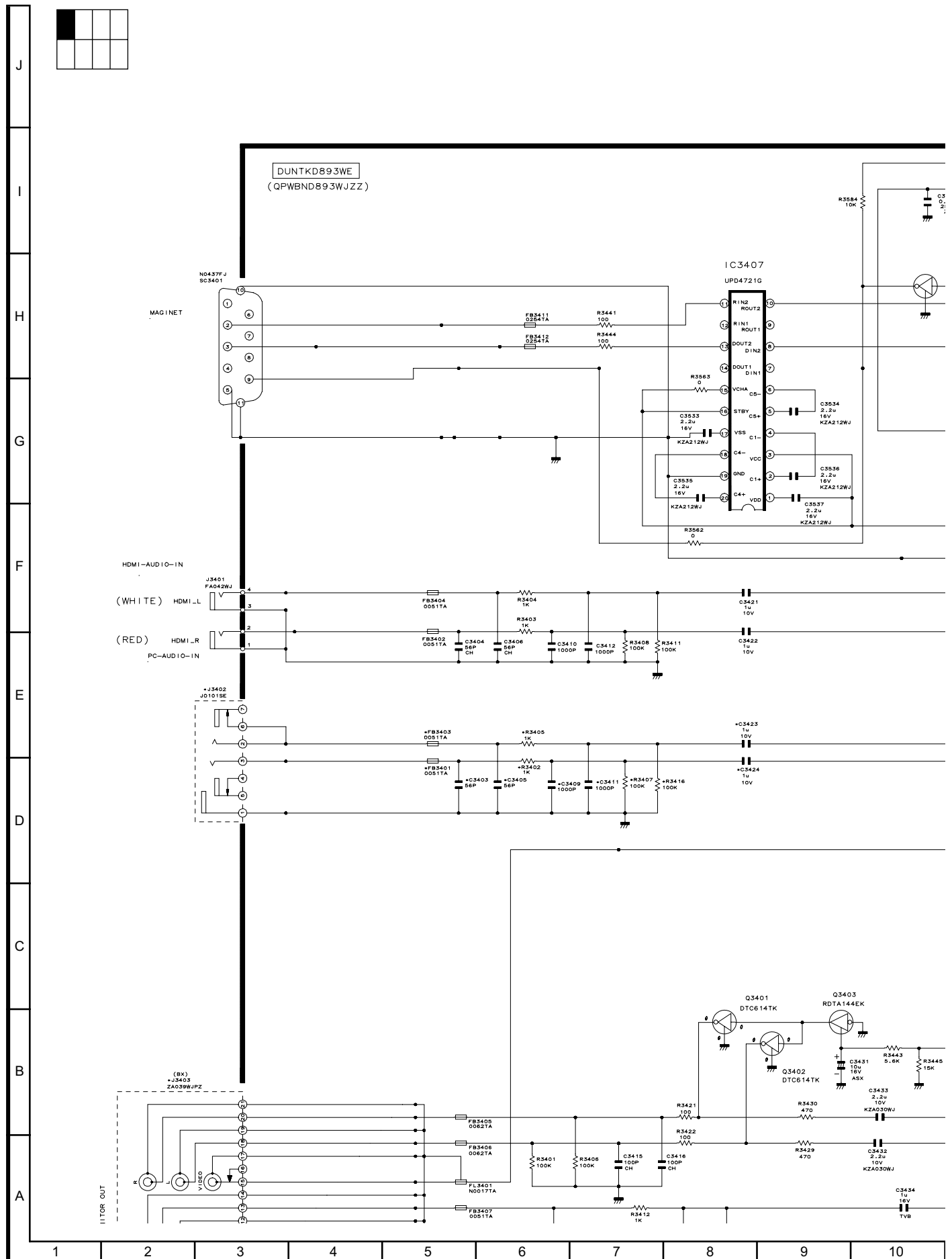
(4/8) (4/8) Please peel off and refer to page 6-11.

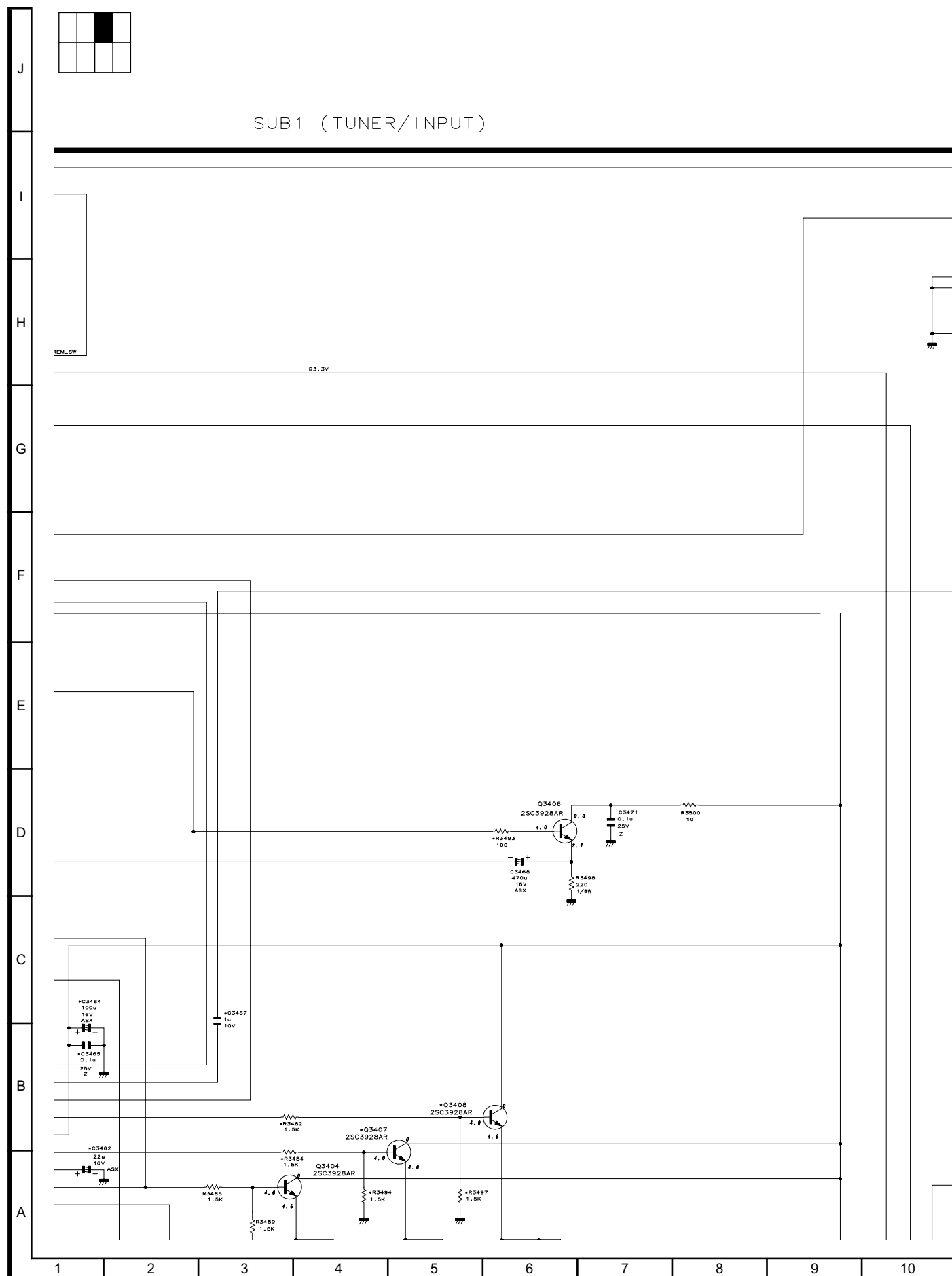
SUB1 (TUNER/INPUT)

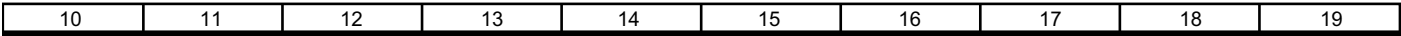


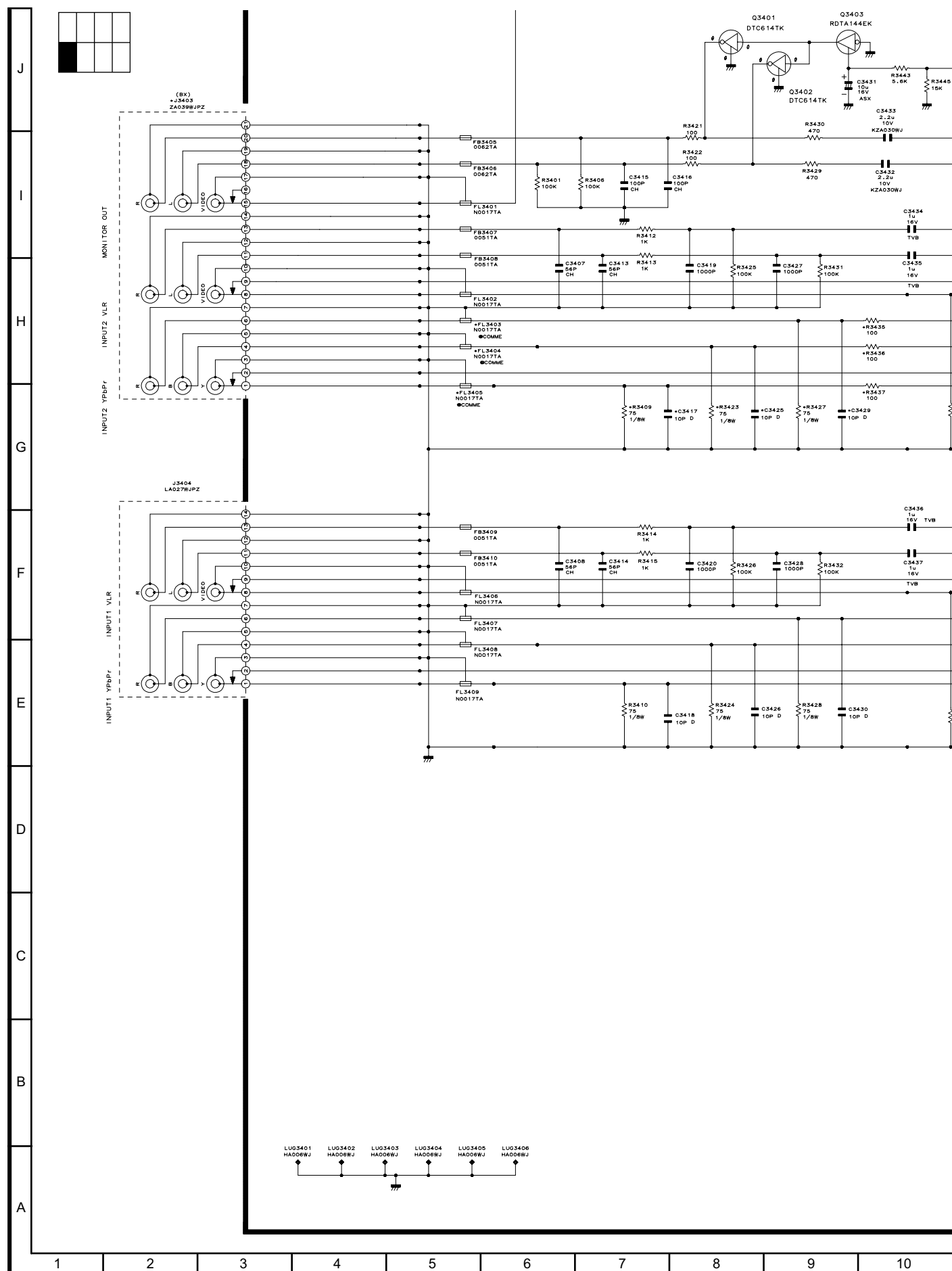
(7/8) (7/8) Please peel off and refer to page 6-14.

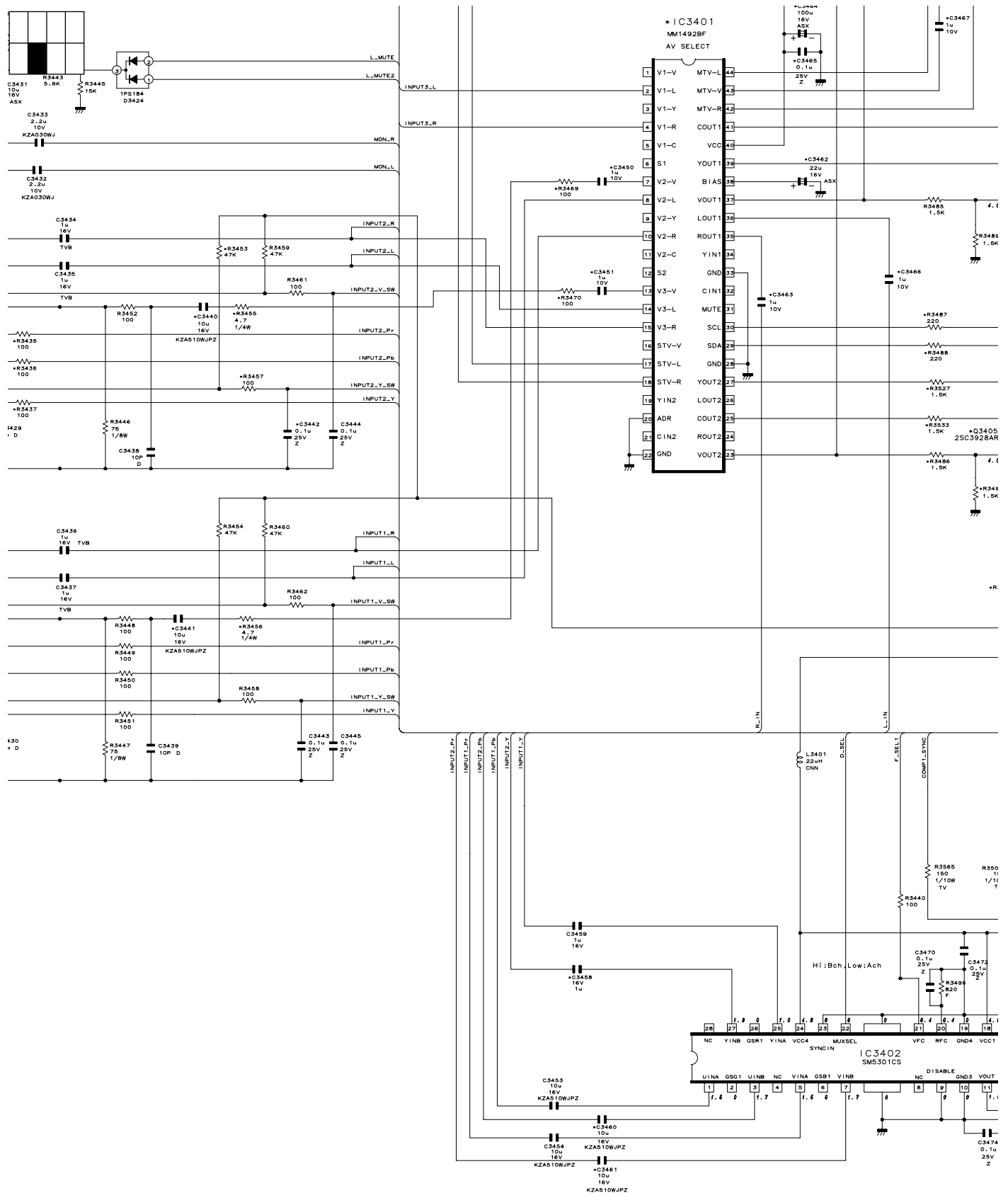
(8/8) (8/8) Please peel off and refer to page 6-15.

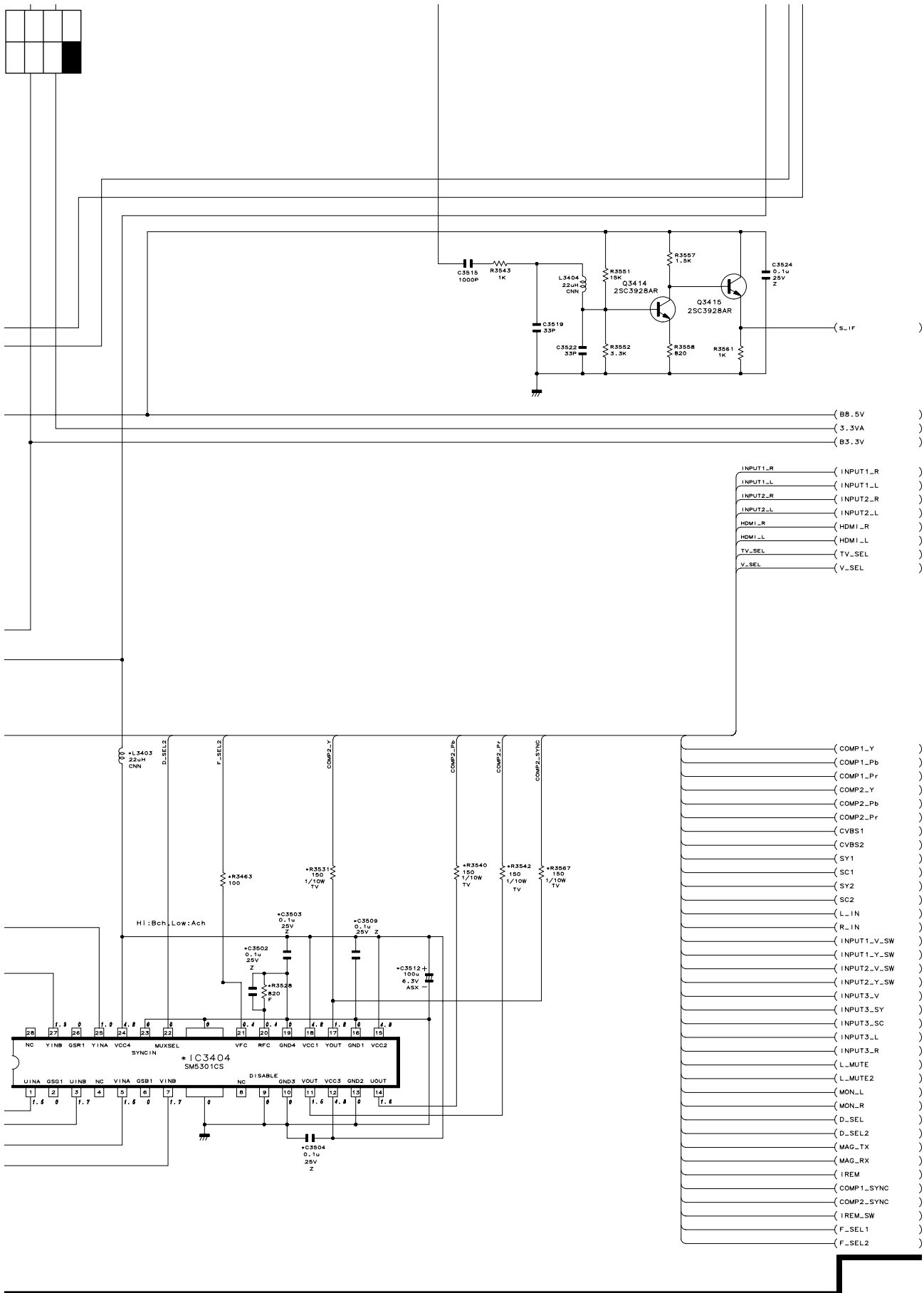








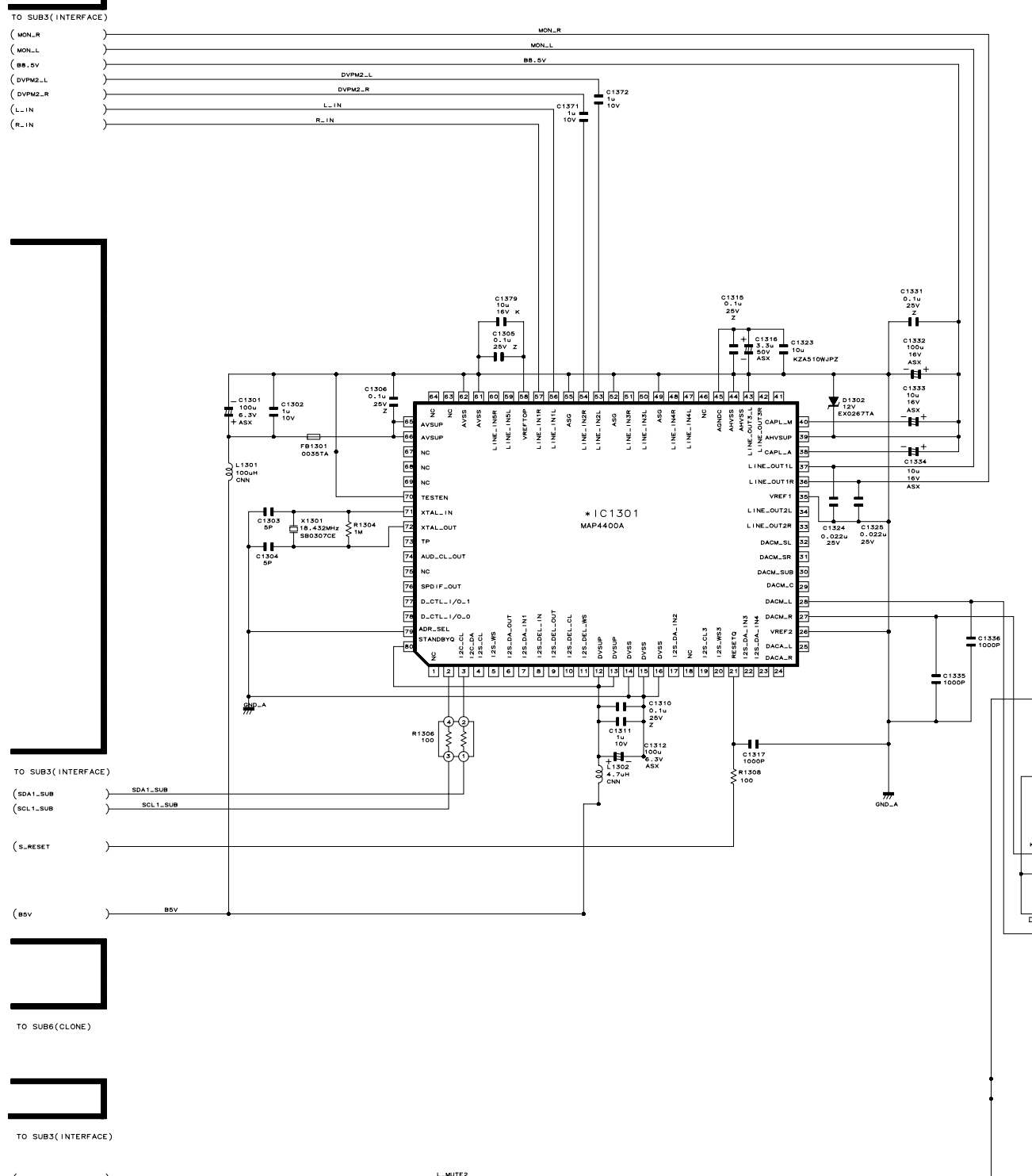




10	11	12	13	14	15	16	17	18	19
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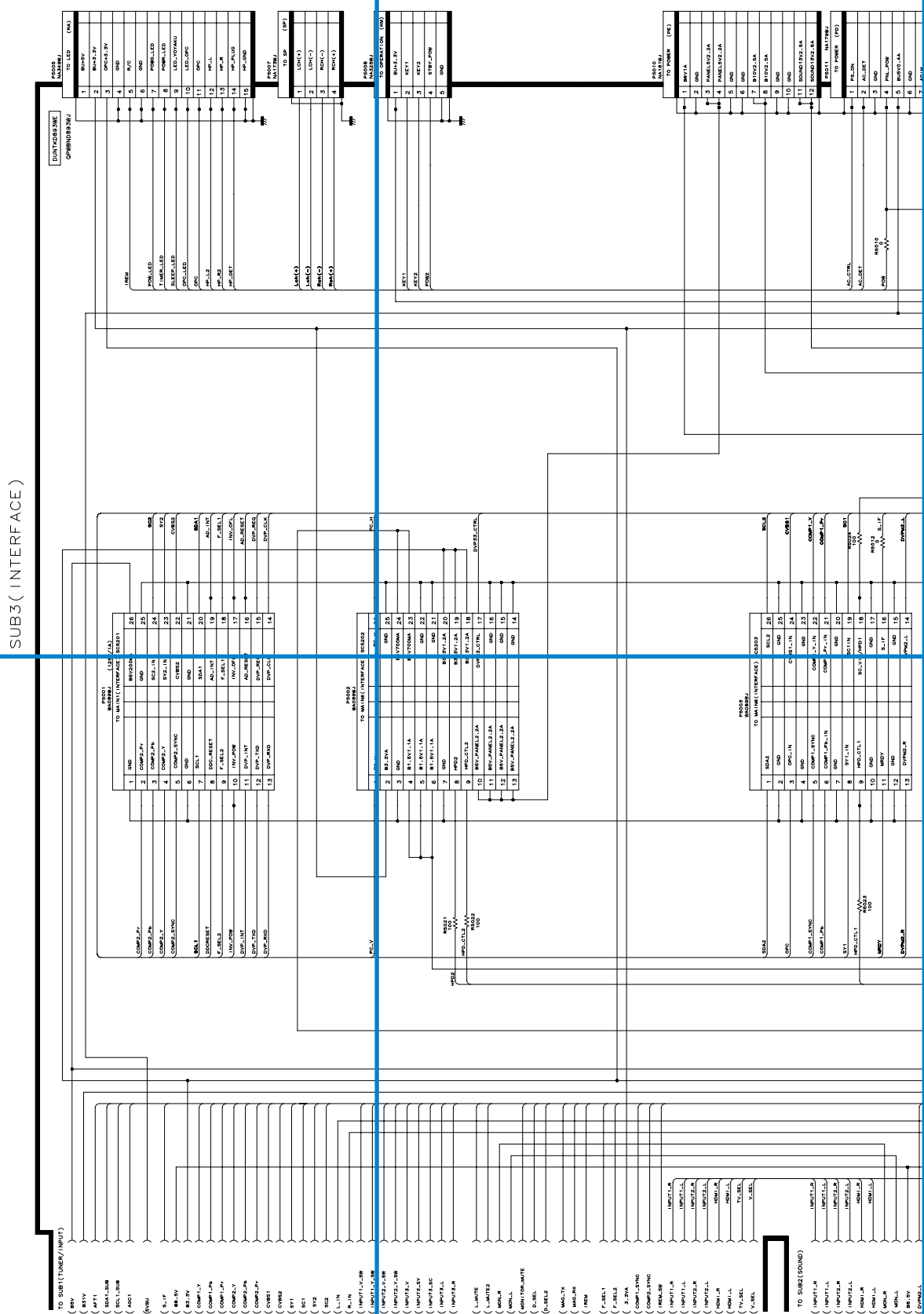
4. SUB Unit-2 (LC-32PX5M/X, LC-37PX5M/X)

SUB2 (SOUND)



5. SUB Unit-3 (LC-32PX5M/X, LC-37PX5M/X)

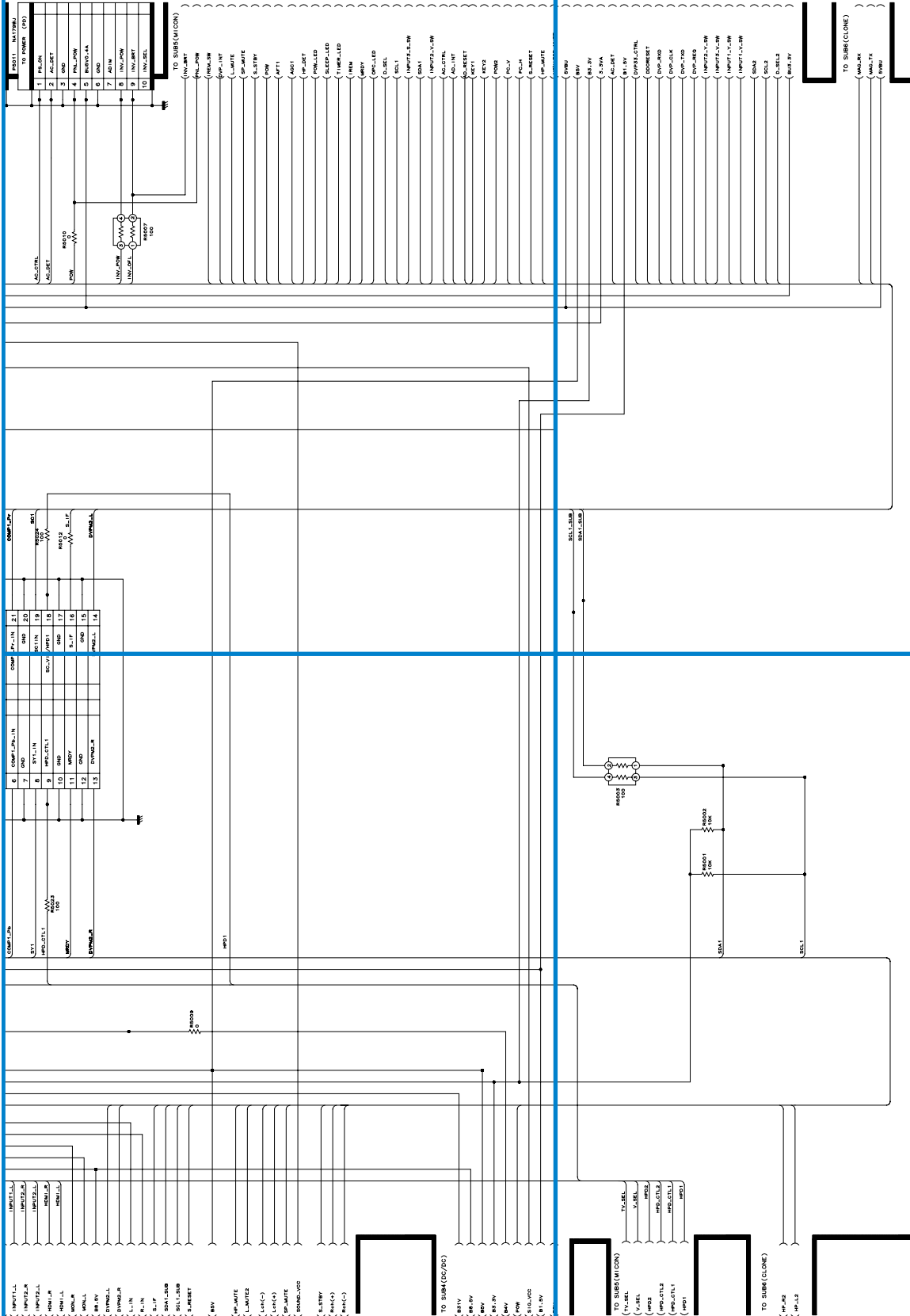
(2/8) (2/8) Please peel off and refer to page 6-21.



(6/8) (6/8) Please peel off and refer to page 6-25.

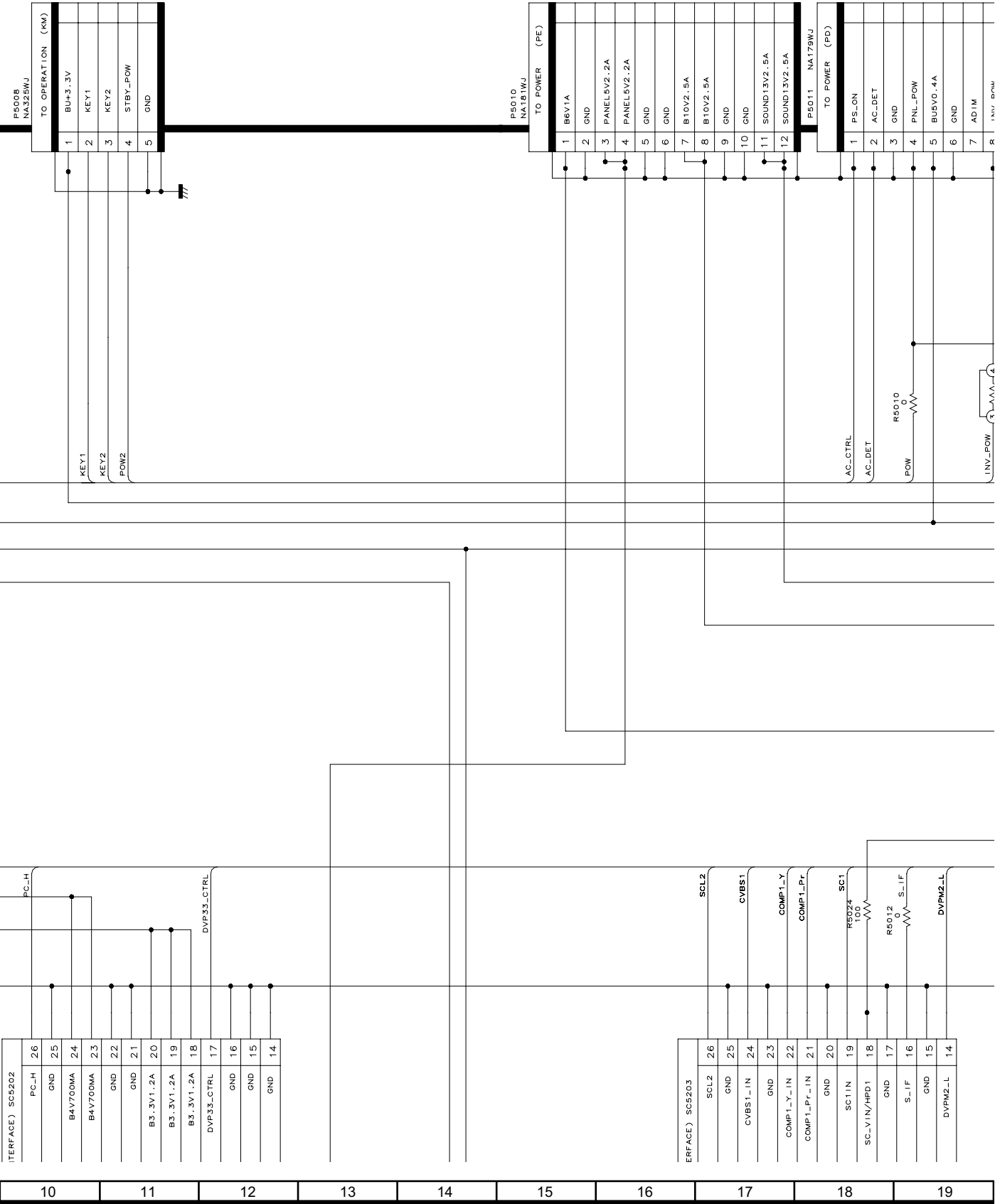
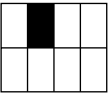
(3/8) (3/8) Please peel off and refer to page 6-22.

(4/8) (4/8) Please peel off and refer to page 6-23.

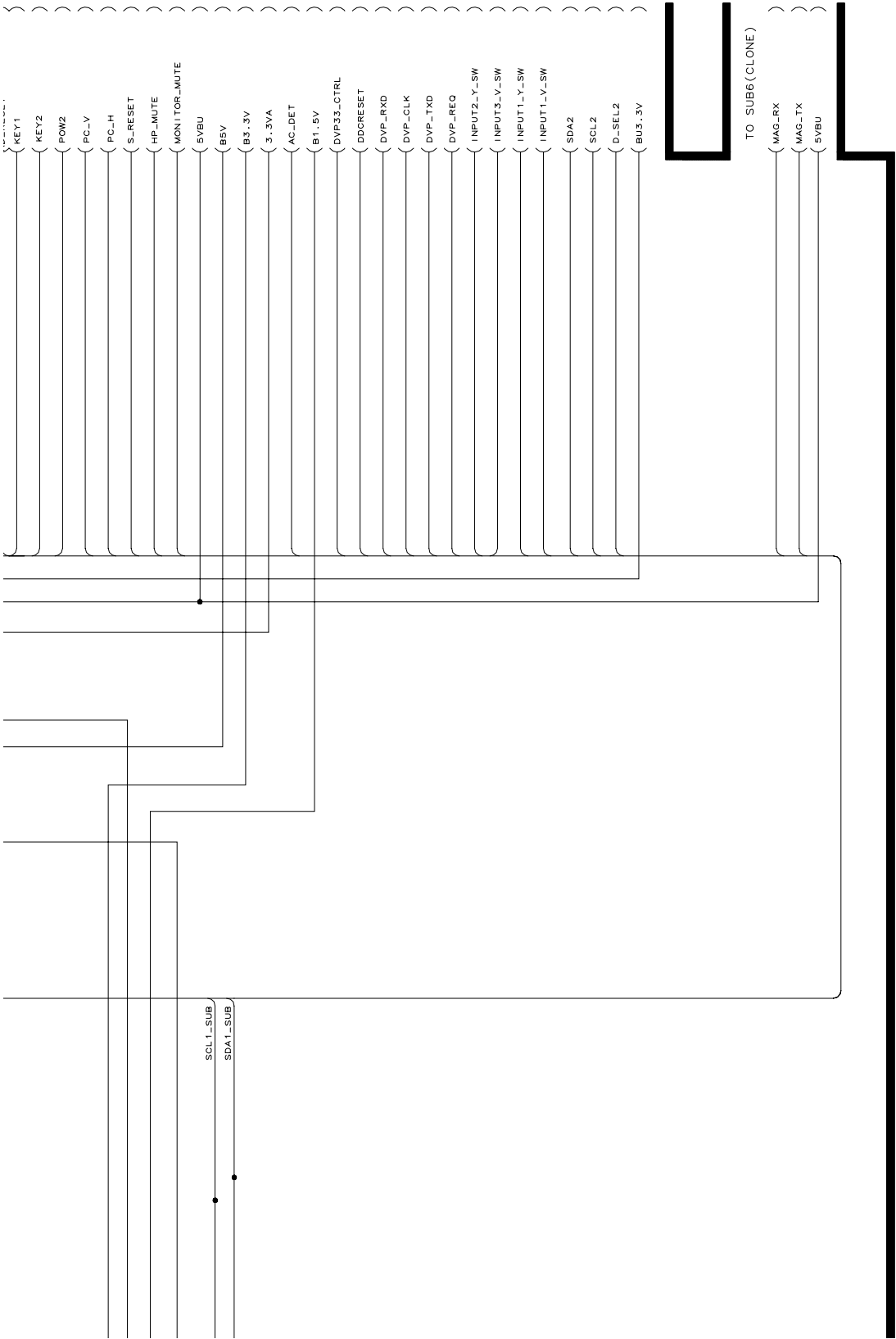
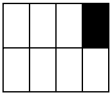


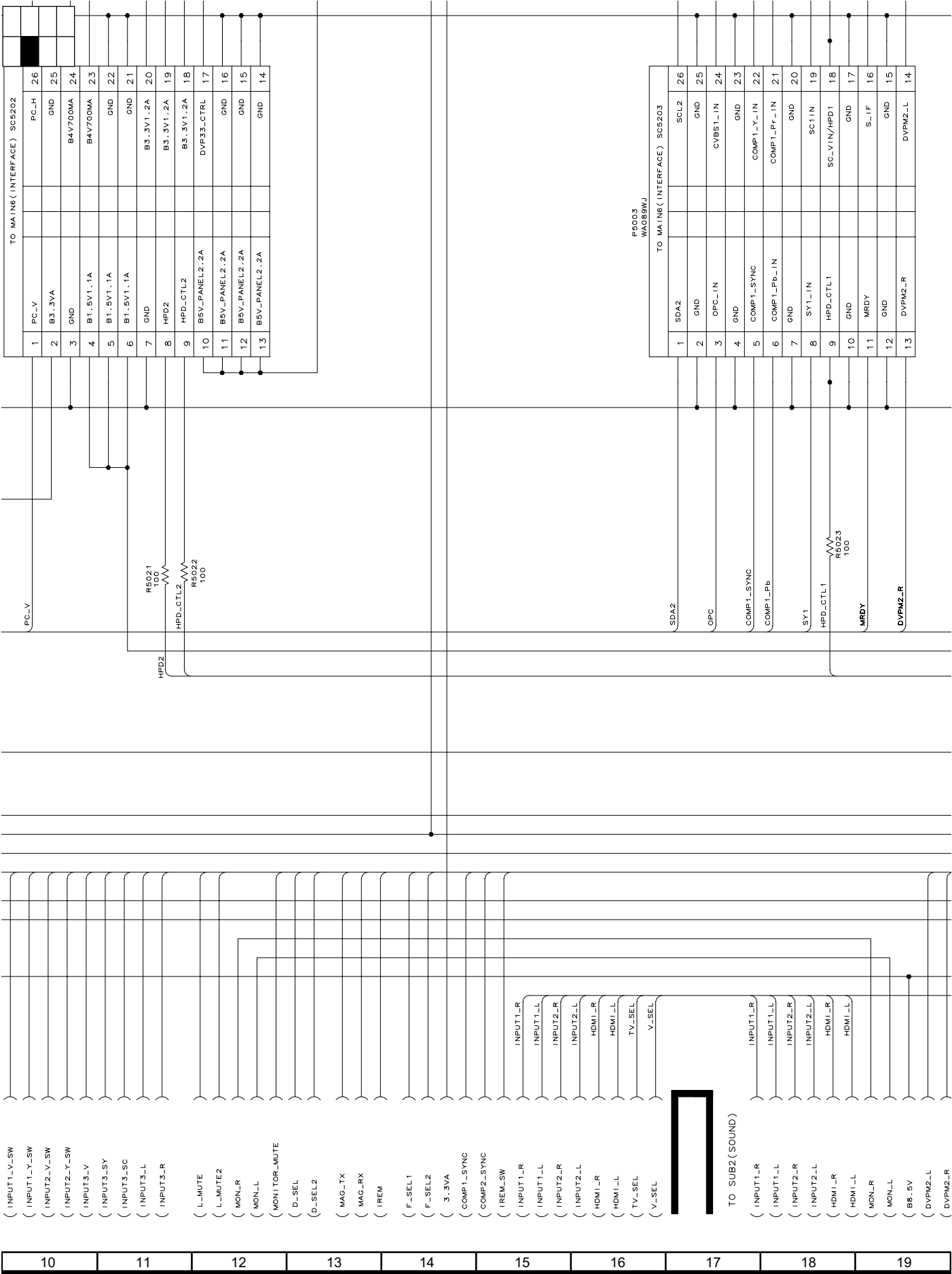
(7/8) (7/8) Please peel off and refer to page 6-26.

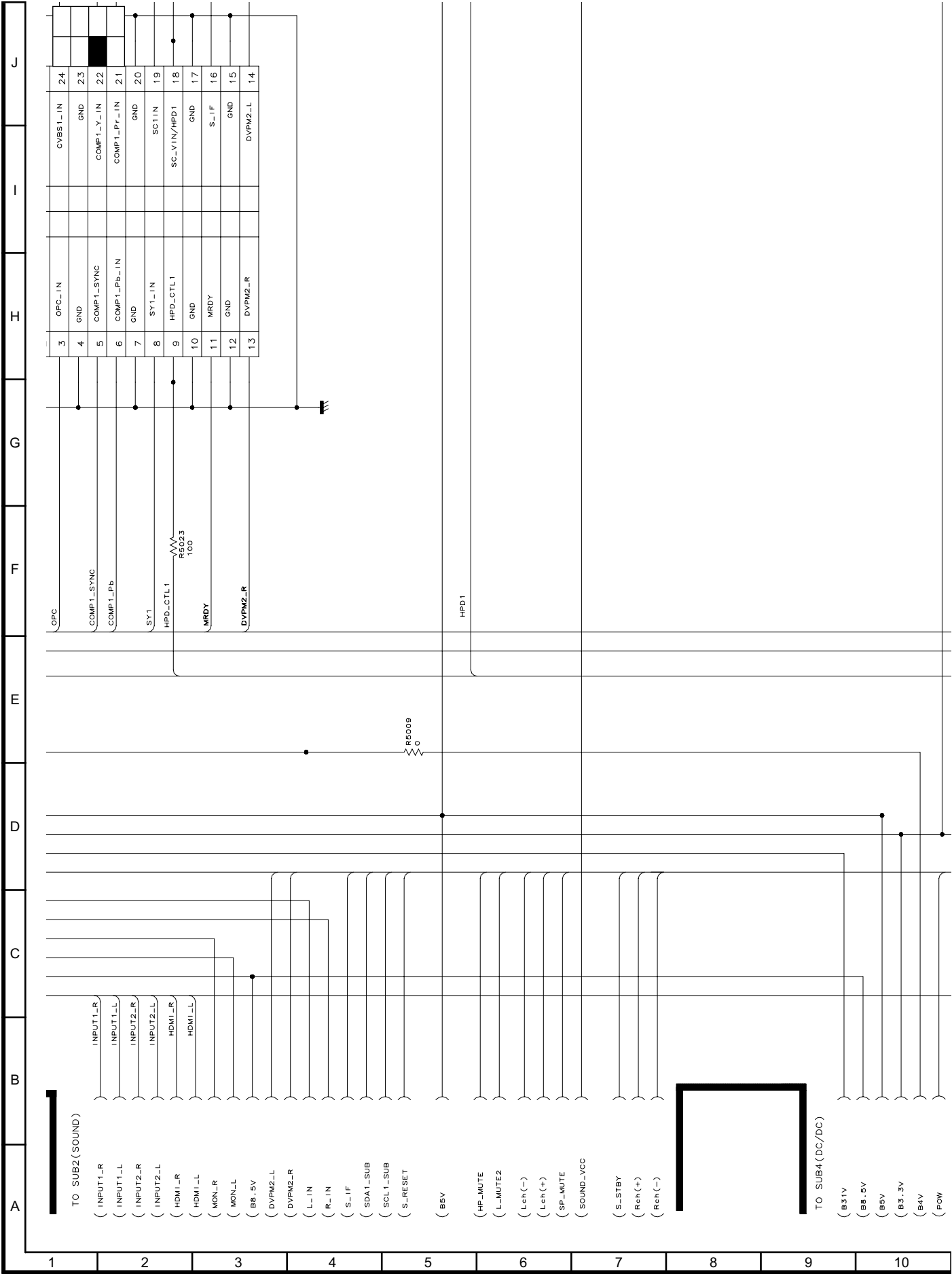
(8/8) (8/8) Please peel off and refer to page 6-27.

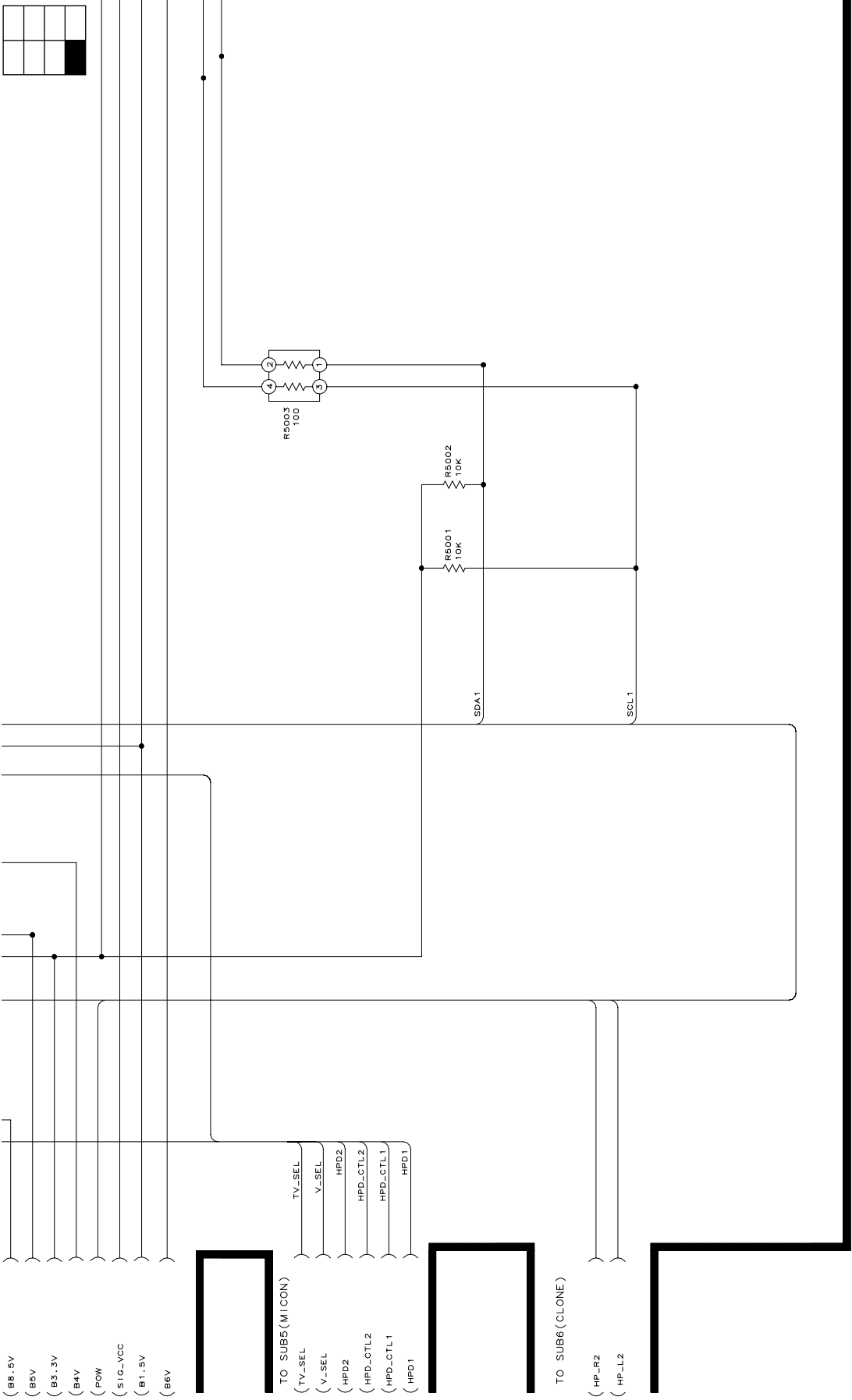






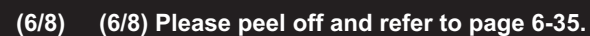






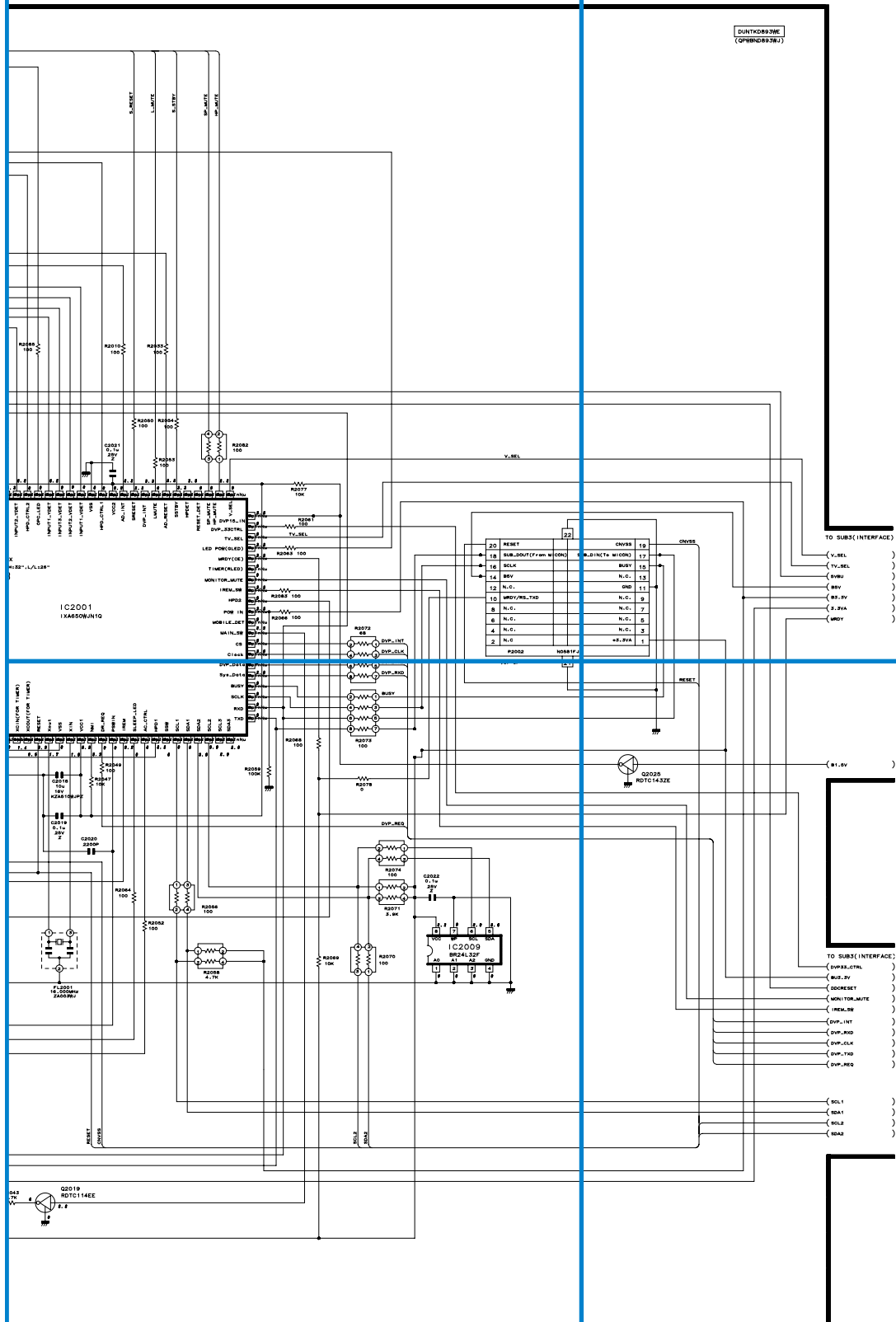
10	11	12	13	14	15	16	17	18	19
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(2/8) (2/8) Please peel off and refer to page 6-31.



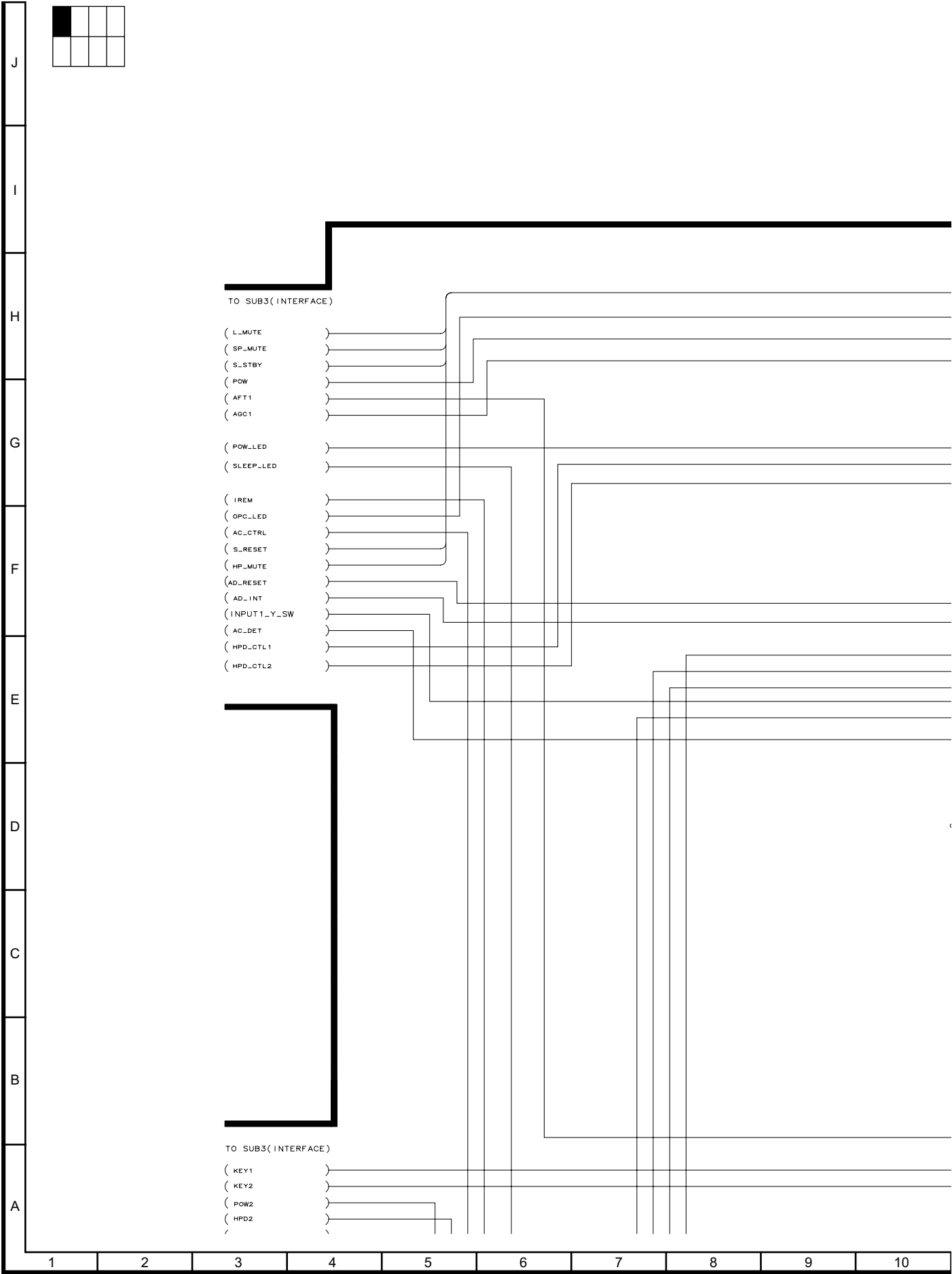
(3/8) (3/8) Please peel off and refer to page 6-32.

(4/8) (4/8) Please peel off and refer to page 6-33.



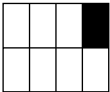
(7/8) (7/8) Please peel off and refer to page 6-36.

(8/8) (8/8) Please peel off and refer to page 6-37.

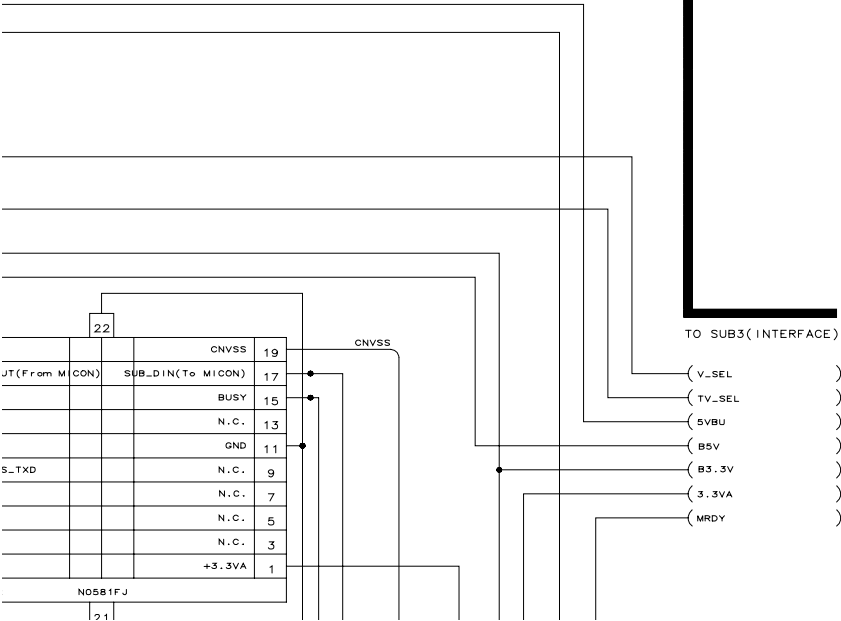




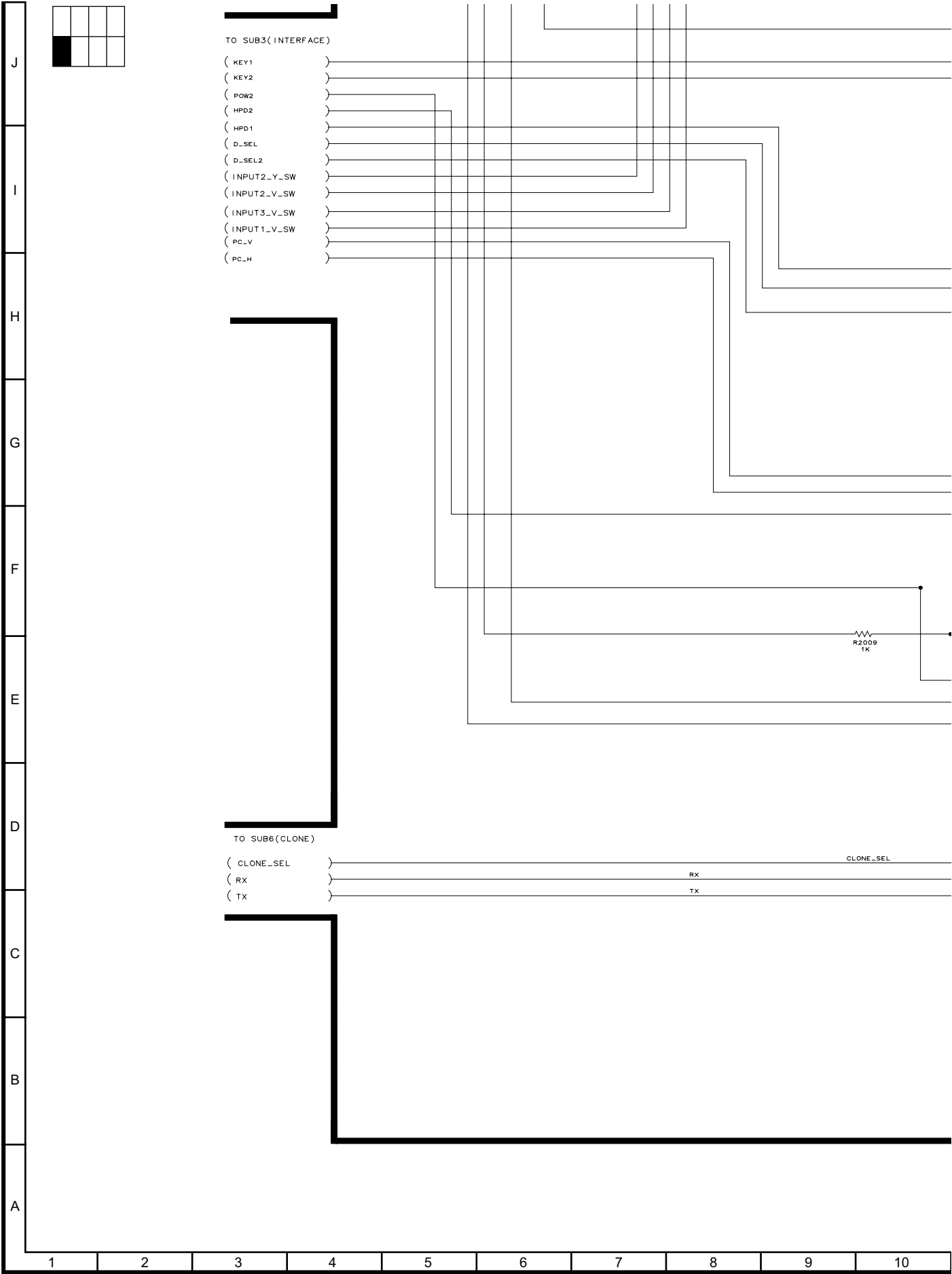


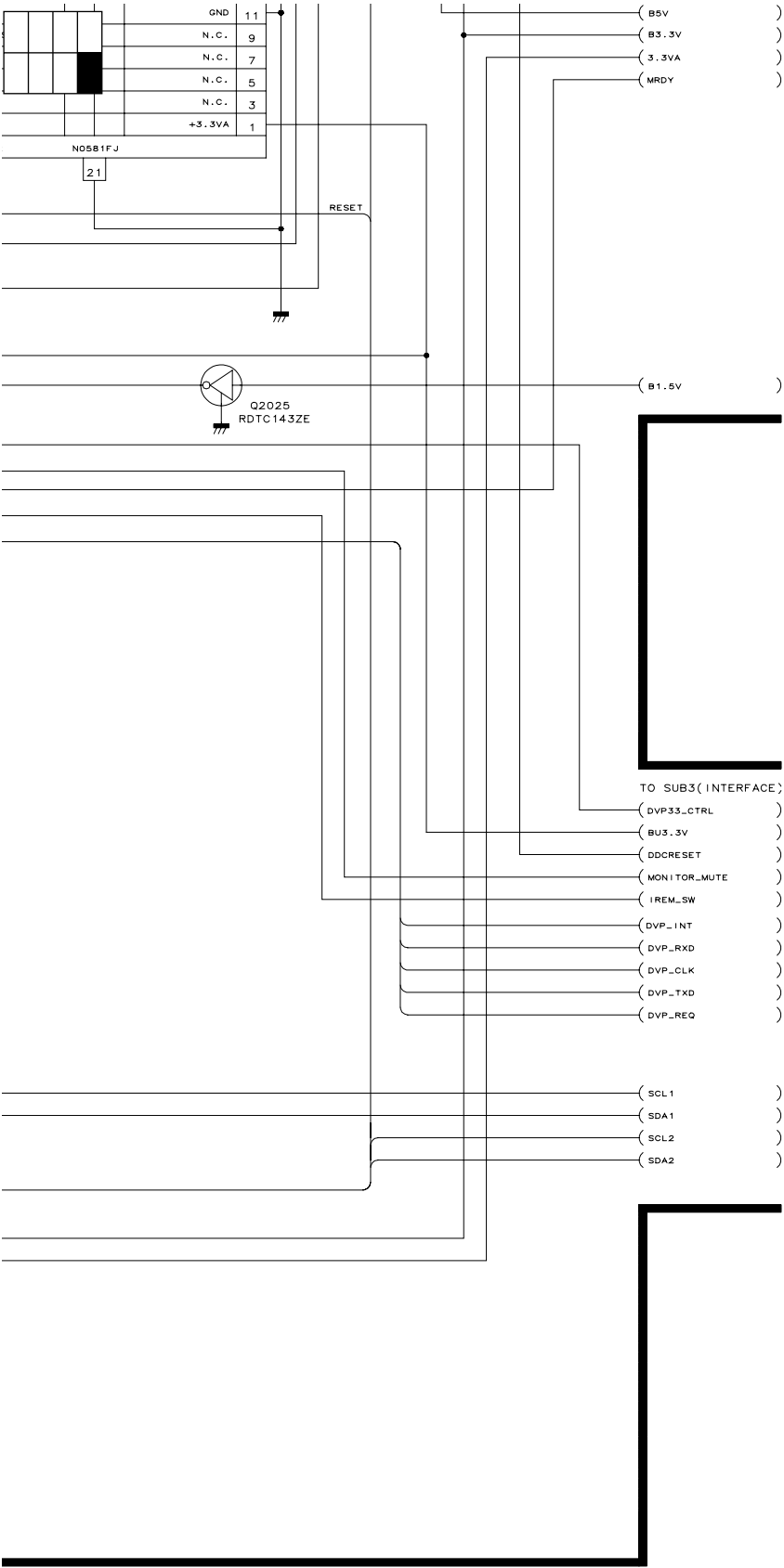


DUNTKD893WE
(QPWBND893WJ)



10	11	12	13	14	15	16	17	18	19
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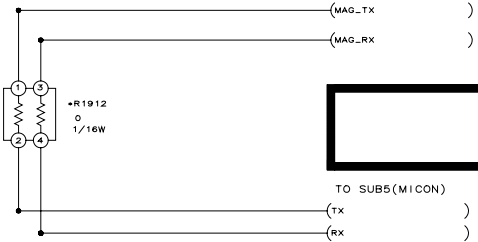


J										
I	DUNTKD893WE (QPWBND893WJZZ)									
H										
G										
F										
E										
D										
C										
B										
A										
	1	2	3	4	5	6	7	8	9	10

SUB6 (CLONE)

TO SUB2 (SOUND)

TO SUB3 (INTERFACE)



TO SUB5 (MICON)

TO SUB1 (TUNER/INPUT)

TO SUB4 (DC/DC)

J
I
H
G
F
E
D
C
B
A

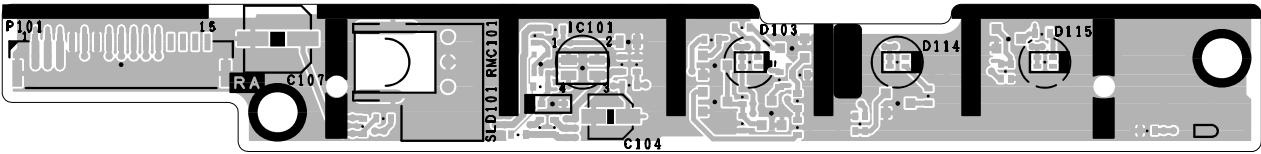
1 2 3 4 5 6 7 8 9 10

The diagram shows two views of a circuit board, labeled 'OPERATION Unit (Side-A)' and 'OPERATION Unit (Side-B)'. The board is populated with various electronic components, including resistors (R171, R172, R173, R174, R175, R176, R177), capacitors (C171, C172, C173, C174, C175, C176, C177), diodes (D171, D172, D173, D174), and integrated circuits (IC171, IC172, IC173, IC174, IC175, IC176, IC177). The board is also marked with 'KFQ' and 'Ver. ABCDEFGH'. The components are arranged in a symmetrical pattern around a central vertical axis. The board is shown in two orientations, with the top view labeled 'Side-A' and the bottom view labeled 'Side-B'. The board is populated with various electronic components, including resistors, capacitors, diodes, and integrated circuits. The board is also marked with 'KFQ' and 'Ver. ABCDEFGH'. The components are arranged in a symmetrical pattern around a central vertical axis. The board is shown in two orientations, with the top view labeled 'Side-A' and the bottom view labeled 'Side-B'.

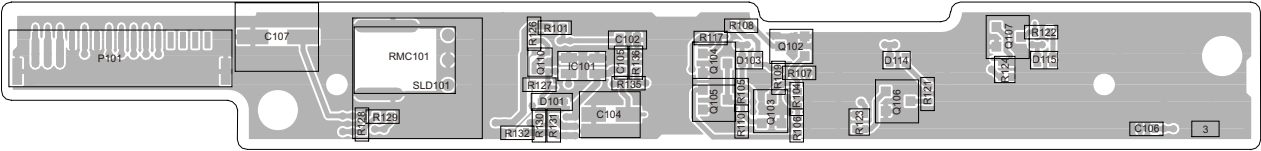
OPERATION Unit (Side-A)

OPERATION Unit (Side-B)

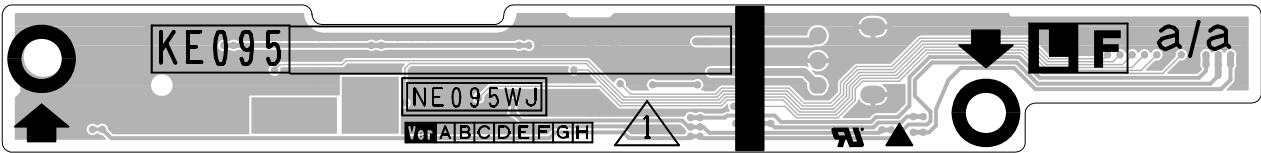
[2] LED, R/C UNIT PRINTED WIRING BOARD



LED, R/C Unit (Side-A)



LED, R/C Unit (Chip Parts Side-A)



LED, R/C Unit (Side-B)

- M E M O -

[illegible]

SHARP PARTS GUIDE

No. S17B1LC37PX5M



LCD COLOR TELEVISION

LC-32PX5M/X

MODELS LC-37PX5M/X

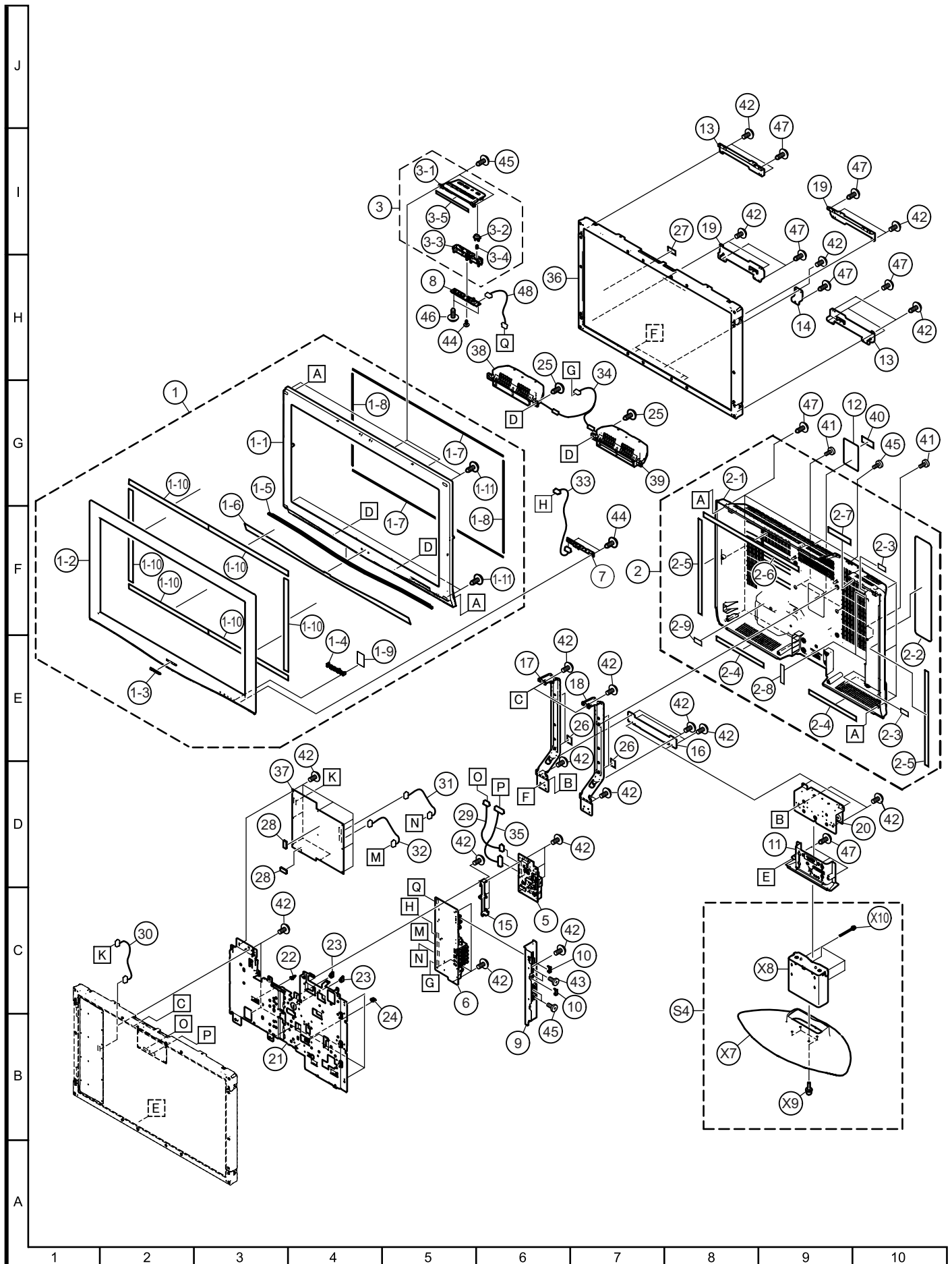
CONTENTS

- | | |
|--|--|
| [1] PRINTED WIRING BOARD ASSEMBLIES (NOT REPLACEMENT ITEM) | [4] CABINET PARTS (LC-32PX5M/X) |
| [2] DUNTKD893FM50 (LC-32PX5M) / DUNTKD893FM51 (LC-32PX5X) / DUNTKD893FM52 (LC-37PX5M) / DUNTKD893FM53 (LC-37PX5X) (SUB Unit) | [5] CABINET PARTS (LC-37PX5M/X) |
| [3] DUNTKE097FM02 (LC-32PX5M/X) / DUNTKE097FM04 (LC-37PX5M/X) (OPERATION Unit) | [6] SUPPLIED ACCESSORIES |
| | [7] PACKING PARTS (NOT REPLACEMENT ITEM) |
| | [8] SERVICE JIG |

Parts marked with "△" are important for maintaining the safety of the set. Be sure to replace these parts with specified ones for maintaining the safety and performance of the set.

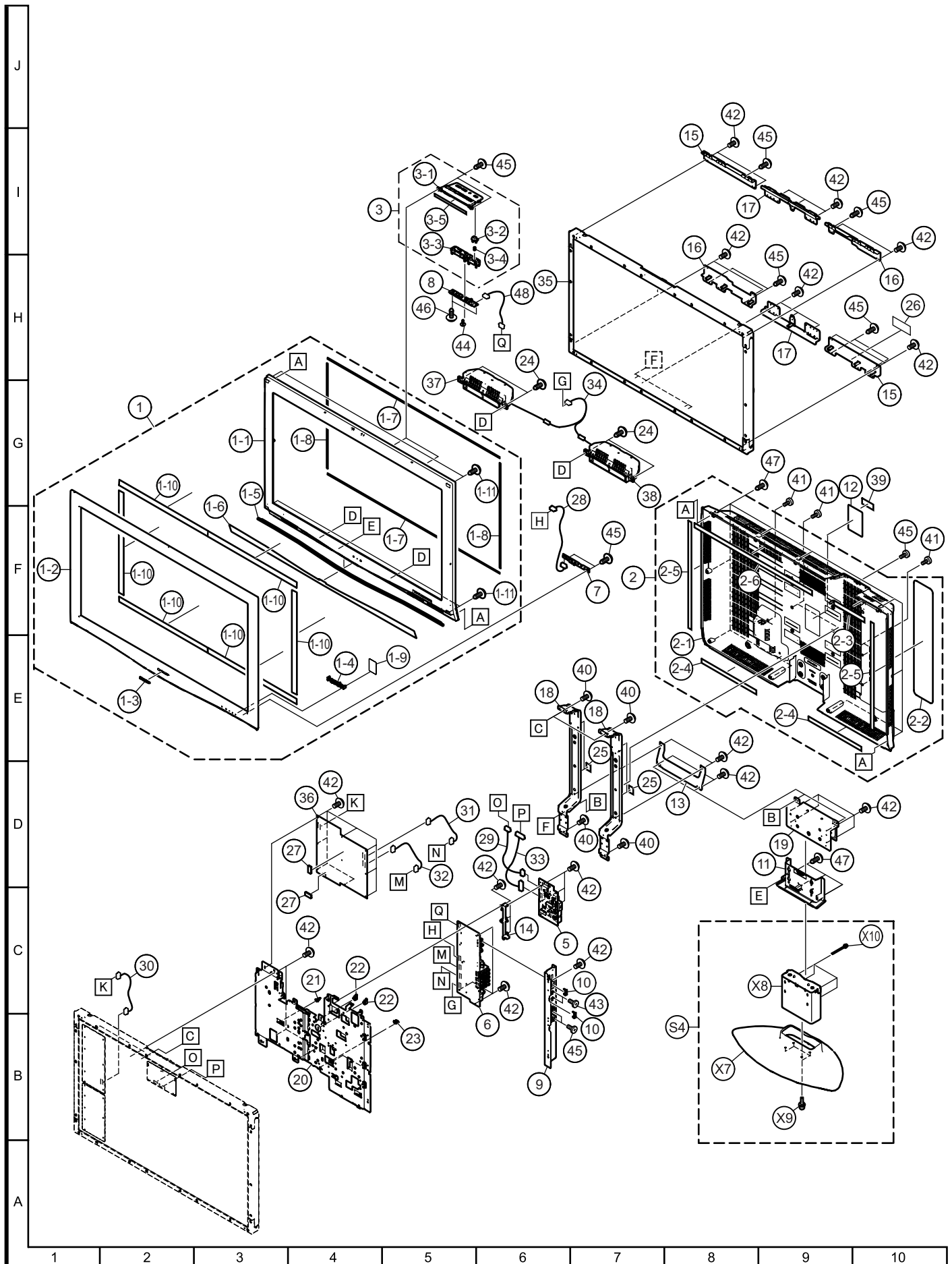
NO.	PARTS CODE	PRICE RANK	NEW MARK	PART DELIVERY	DESCRIPTION
[1] PRINTED WIRING BOARD ASSEMBLIES (NOT REPLACEMENT ITEM)					
N	DUNTKE097FM02	AN	N	V	OPERATION Unit (LC-32PX5M)
N	DUNTKD892FM50	BV	N	V	MAIN Unit (LC-32PX5M)
N	DUNTKD893FM50	BT	N	V	SUB Unit (LC-32PX5M)
N	DUNTKE095FM02	AQ	N	V	LED, R/C Unit (LC-32PX5M)
N	RDENCA182WJQZ	BS		V	POWER Unit exchange (LC-32PX5M)
N	DUNTKE097FM02	AN	N	V	OPERATION Unit (LC-32PX5X)
N	DUNTKD892FM51	BV	N	V	MAIN Unit (LC-32PX5X)
N	DUNTKD893FM51	BT	N	V	SUB Unit (LC-32PX5X)
N	DUNTKE095FM02	AQ	N	V	LED, R/C Unit (LC-32PX5X)
N	RDENCA182WJQZ	BS		V	POWER Unit exchange (LC-32PX5X)
N	DUNTKE097FM04	AN	N	V	OPERATION Unit (LC-37PX5M)
N	DUNTKD892FM52	BV	N	V	MAIN Unit (LC-37PX5M)
N	DUNTKD893FM52	BT	N	V	SUB Unit (LC-37PX5M)
N	DUNTKD897FM53	AQ	N	V	LED, R/C Unit (LC-37PX5M)
N	RDENCA182WJQZ	BS		V	POWER Unit exchange (LC-37PX5M)
N	DUNTKE097FM04	AN	N	V	OPERATION Unit (LC-37PX5X)
N	DUNTKD892FM53	BV	N	V	MAIN Unit (LC-37PX5X)
N	DUNTKD893FM53	BT	N	V	SUB Unit (LC-37PX5X)
N	DUNTKD897FM53	AQ	N	V	LED, R/C Unit (LC-37PX5X)
N	RDENCA182WJQZ	BS		V	POWER Unit exchange (LC-37PX5X)
[2] DUNTKD893FM50 (LC-32PX5M) / DUNTKD893FM51 (LC-32PX5X) / DUNTKD893FM52 (LC-37PX5M) / DUNTKD893FM53 (LC-37PX5X) (SUB Unit)					
IC2001	RH-iXA650WJZZQ	AT	N	V	IC M30626FHPFPU5C
P2002	QPLGN0581FJZZY	AF		J	Plug 22pin
R1912	VRS-CJ1JF000JY	AA		J	Resistor 0 1/16W Metal Oxide
R2051	VRS-CY1JF102JY	AA		J	Resistor 1k 1/16W Metal Oxide
R2078	VRS-CY1JF000JY	AA		J	Resistor 0 1/16W Metal Oxide
[3] DUNTKE097FM02 (LC-32PX5M/X) / DUNTKE097FM04 (LC-37PX5M/X) (OPERATION Unit)					
D171	RH-EX0641GEZZY	AA		J	Zener Diode MTZJT-7212C
D172	RH-EX0641GEZZY	AA		J	Zener Diode MTZJT-7212C
D173	RH-EX0641GEZZY	AA		J	Zener Diode MTZJT-7212C
P171	QPLGNA059WJZZ	AC	N	J	Plug
R171	VRD-RA2BE822JY	AA		J	Resistor 8.2k 1/8W Carbon
R172	VRD-RA2BE123JY	AA		J	Resistor 12k 1/8W Carbon
R173	VRD-RA2BE822JY	AA		J	Resistor 8.2k 1/8W Carbon
R175	VRD-RA2BE103JY	AA		J	Resistor 10k 1/8W Carbon
R176	VRD-RA2BE101JY	AA		J	Resistor 100 1/8W Carbon
S171	QSW-K0003AJZZ+	AB		J	Switch
S172	QSW-K0003AJZZ+	AB		J	Switch
S173	QSW-K0003AJZZ+	AB		J	Switch
S174	QSW-K0003AJZZ+	AB		J	Switch
S175	QSW-K0003AJZZ+	AB		J	Switch
S177	QSW-P0035GEZZ	AF		J	Switch

[4] CABINET PARTS (LC-32PX5M/X)



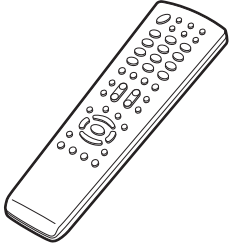
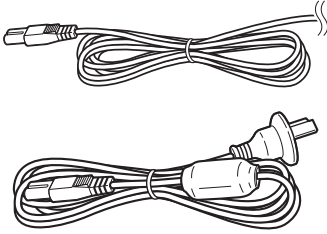
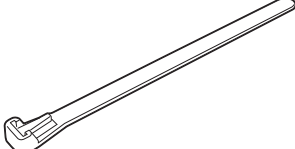
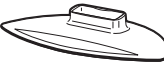
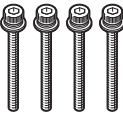
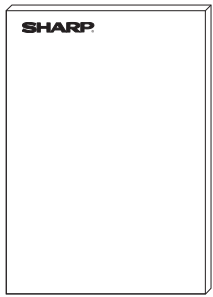
NO.	PARTS CODE	PRICE RANK	NEW MARK	PART DELIVERY	DESCRIPTION
[4] CABINET PARTS (LC-32PX5M/X)					
1	CCABAB613WJ03	BR	S	V	Front Cabinet Ass'y
1-1	Not Available	-		-	Front Cabinet
1-2	GCOVAC066WJ4A		N	V	Front Cover
1-3	Not Available	-		-	Badge, "SHARP"
1-4	HDECQA684WJSA			V	Decoration Cover
1-5	HDECSA005WJKA	AN		V	Shine Trim
1-6	HPNLSA098WJSA	AX		V	Speaker Sheet
1-7	PSPAHB079WJZZ	AE		V	Spacer (Top, Bottom), x2
1-8	PSPAHB080WJZZ	AD		V	Spacer (Side), x2
1-9	PSPAHB085WJZZ	AB		V	Spacer (LED Cover), x2
1-10	PSPA7B264WJZZ	AD		V	Spacer, x6
1-11	XEBS930P08000	AA		J	Screw, x4
2	CCABBA998WJ01	BH	S	V	Rear Cabinet Ass'y
2-1	Not Available	-	N	-	Rear Cabinet
2-2	HiNDPC167WJ4A	AH	S	V	Terminal Label
2-3	PSPAHB074WJZZ	AB		V	Spacer, x2
2-4	PSPAHB146WJ4Z	AC	N	V	Spacer, x2
2-5	PSPAHB147WJ4Z	AD	N	V	Spacer, x2
2-6	PSPAHB148WJ4Z	AD	N	V	Spacer
2-7	PSPAHB149WJ4Z	AB	N	V	Spacer
2-8	PSPAHB150WJ4Z	AB	N	V	Spacer, x2
2-9	PSPAHB151WJ4Z	AB	N	V	Spacer
3	CCOVAC064WJ01	AN	N	V	Top Cover Ass'y
3-1	Not Available	-	N	-	Top Cover
3-2	JBTN-A645WJ4A	AE	N	V	Power Bottom
3-3	JBTN-A646WJ4A	AG	N	V	Operate Bottom
3-4	MSPRCA070WJ2J	AB		J	Spring
3-5	PSPAHB152WJ4Z	AB	N	V	Spacer
5	DUNTKD892FM50	BV	N	V	Main Unit (LC-32PX5M)
5	DUNTKD892FM51	BV	N	V	Main Unit (LC-32PX5X)
6	DUNTKD893FM50	BT	N	V	Tuner/Av Unit (LC-32PX5M)
6	DUNTKD893FM51	BT	N	V	Tuner/Av Unit (LC-32PX5X)
7	DUNTKE095FM02	AQ	N	V	LED, R/C Unit
8	DUNTKE097FM02	AN	N	V	Operation Unit
9	GCOVAB731WJSA	AS		J	AV Terminal Cover
10	GCOVAB736WJKA	AD		J	Bus Cover, x2
11	GCOVAB937WJ4A	AH		V	Stand Area Cover
12	HiNDPC148WJSA	AE	N	V	Model Label (LC-32PX5M)
12	HiNDPC147WJSA	AE	N	V	Model Label (LC-32PX5X)
13	LANGKA638WJFW	AL		V	LCD Angle A, x2
14	LANGKA672WJFW	AF		V	LCD Angle C
15	LANGKA792WJFW	AG		J	Pwb Bracket B
16	LANGKA908WJFW	AH		V	Support Angle
17	LANGKA934WJFW	AR		V	Sus Angle (L)
18	LANGKA985WJFW	AS	S	V	Sus Angle (R)
19	LANGKB020WJFW	AL	N	V	LCD Angle B, x2
20	LANGTA413WJFW	AU		V	Stand Angle
21	LCHSMA369WJZZ	BB	S	V	Chassis Tray
22	LHLDFA028WJKZ	AC		J	Wire Holder A
23	LHLDWA120WJKZ	AB		J	Wire Holder B, x2
24	LHLDWA134WJKZ	AB		J	Wire Holder C
25	LX-HZA003WJFN	AC		J	Screw, x2
26	PSPAGA344WJZZ	AC	N	J	Spacer, x4
27	PSPAHA702WJZZ	AB	N	V	Spacer
28	PSPA7B366WJZZ	AE	N	V	Rubber Spacer, x2
29	QCNW-E756WJQZ	AH	N	V	Connecting Cord (SH)
30	QCNW-E758WJQZ	AL	N	V	Connecting Cord (LA)
31	QCNW-E759WJQZ	AL		J	Connecting Cord (PE)
32	QCNW-E760WJQZ	AK		J	Connecting Cord (PD)
33	QCNW-E762WJQZ	AP		J	Connecting Cord (RA)
34	QCNW-E764WJQZ	AK	N	V	Connecting Cord (SP)
35	QCNW-F068WJPZ	AZ	N	V	Connecting Cord (LV)
36	R1LK315T3LZ4BX	EE	N	V	32" LCD Panel Module Unit
37	RDENCA182WJQZ	BS	N	V	Power Unit
38	RSP-ZA203WJZZ	BB		V	Speaker (L)
39	RSP-ZA204WJZZ	BB		V	Speaker (R)
40	TLABNB947WJZZ	AB	N	V	No Label (LC-32PX5M)
40	TLABNB946WJZZ	AB	N	V	No Label (LC-32PX5X)
41	XBBS830P08000	AA		J	Screw, x4
42	XBPS730P06WS0	AA		J	Screw, x43
43	XBPS830P06000	AA		J	Screw, x2
44	XEBS930P08000	AA		J	Screw, x3
45	XEBS930P10000	AA		J	Screw, x5
46	XEBS930P16000	AB		J	Screw, x2
47	XEBS940P16000	AB		J	Screw, x19
48	QCNW-F546WJQZ			V	Connecting Cord (KM)

[5] CABINET PARTS (LC-37PX5M/X)



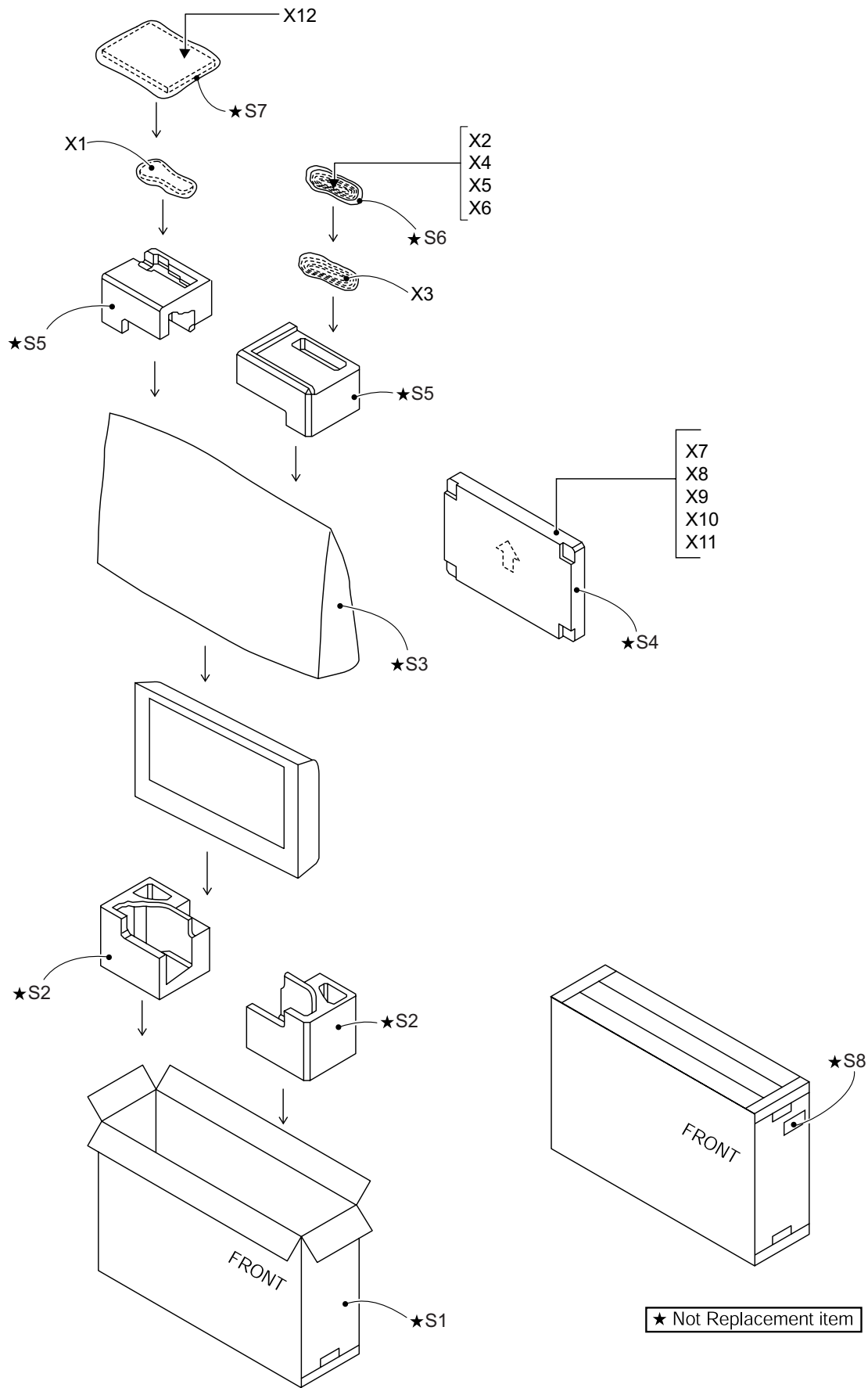
NO.	PARTS CODE	PRICE RANK	NEW MARK	PART DELIVERY	DESCRIPTION
[5] CABINET PARTS (LC-37PX5M/X)					
1	CCABAB582WJ04	BU	S	V	Front Cabinet Ass'y
1-1	Not Available	-		-	Front Cabinet
1-2	GCOVAC065WJ4A		N	V	Front Cover
1-3	Not Available	-		-	Badge, "SHARP"
1-4	HDECQA667WJSA			V	Decoration Cover
1-5	HDECSA004WJKA	AP		V	Shine Trim
1-6	HPNLSA097WJSA	AX		V	Speaker Sheet
1-7	PSPAHA933WJZZ	AE		V	Spacer (Top, Bottom)
1-8	PSPAHA934WJZZ	AD		V	Spacer (Side)
1-9	PSPAHB085WJZZ	AB		V	Spacer (LED Cover), x2
1-10	PSPA2B264WJZZ	AD		V	Spacer, x6
1-11	XEBS930P08000	AA		J	Screw, x4
2	CCABBA999WJ01	BK	S	V	Rear Cabinet Ass'y
2-1	Not Available	-	N	-	Rear Cabinet
2-2	HiNDPC167WJ4A	AH	N	V	Terminal Label
2-3	PSPAHB149WJ4Z	AB	N	V	Spacer
2-4	PSPAHB153WJ4Z	AC	N	V	Spacer
2-5	PSPAHB154WJ4Z	AD	N	V	Spacer
2-6	PSPAHB155WJ4Z	AD	N	V	Spacer
3	CCOVAC064WJ01	AN	S	V	Top Cover Ass'y
3-1	Not Available	-	N	-	Top Cover
3-2	JBTN-A645WJ4A	AE	N	V	Power Bottom
3-3	JBTN-A646WJ4A	AG	N	V	Operate Bottom
3-4	MSPRCA070WJ2J	AB		J	Spring
3-5	PSPAHB152WJ4Z	AB	N	V	Spacer
5	DUNTKD892FM52	BV	N	V	Main Unit (LC-37PX5M)
5	DUNTKD892FM53	BV	N	V	Main Unit (LC-37PX5X)
6	DUNTKD893FM52	BT	N	V	Tuner/Av Unit (LC-37PX5M)
6	DUNTKD893FM53	BT	N	V	Tuner/Av Unit (LC-37PX5X)
7	DUNTKD897FM53	AQ	N	V	LED, R/C Unit
8	DUNTKE097FM04	AN	N	V	Operation Unit
9	GCOVAB738WJSA	AS		J	AV Terminal Cover
10	GCOVAB736WJKA	AD	S	J	Bus Cover, x2
11	GCOVAB907WJ4A	AK	S	V	Stand Area Cover
12	HiNDPC150WJSA	AE	N	V	Model Label (LC-37PX5M)
12	HiNDPC146WJSA	AE	N	V	Model Label (LC-37PX5X)
13	LANGFA330WJFW	AL		V	Support Angle
14	LANGKA792WJFW	AG		J	Pwb Bracket B
15	LANGKA939WJFW	AK		V	LCD Angle L
16	LANGKB021WJFW	AK	N	V	LCD Angle R
17	LANGKB025WJFW	AM	N	V	LCD Angle Center, x2
18	LANGTA403WJFW	AV		V	Center Angle, x2
19	LANGTA421WJFW	AT		V	Stand Angle
20	LCHSMA369WJZZ	BB	S	V	Chassis Tray
21	LHLDFA028WJKZ	AC		J	Wire Holder A
22	LHLDWA120WJKZ	AB		J	Wire Holder B, x2
23	LHLDWA134WJKZ	AB		J	Wire Holder C
24	LX-HZA003WJFN	AC		J	Screw, x4
25	PSPAGA344WJZZ	AC	S	J	Spacer, x4
26	PSPAHB156WJ4Z	AB	N	V	Spacer
27	PSPA2B366WJZZ	AE	S	V	Rubber Spacer, x2
28	QCNW-E752WJQZ	AP		J	Connecting Cord (RA)
29	QCNW-E756WJQZ	AH	N	V	Connecting Cord (SH)
30	QCNW-E758WJQZ	AL	N	V	Connecting Cord (CN1)
31	QCNW-E759WJQZ	AL	N	V	Connecting Cord (PE)
32	QCNW-E760WJQZ	AK	N	V	Connecting Cord (PD)
33	QCNW-F068WJQZ	AZ	N	V	Connecting Cord (LV)
34	QCNW-F613WJQZ	AK	N	V	Connecting Cord (SP)
35	R1LK370T3LZ5BX	EZ	N	V	37" LCD Panel Module Unit
36	RDENCA182WJQZ	BS	N	V	Power Unit
37	RSP-ZA203WJZZ	BB		V	Speaker (L)
38	RSP-ZA204WJZZ	BB		V	Speaker (R)
39	TLABNB949WJZZ	AB	N	V	No Label (LC-37PX5M)
39	TLABNB945WJZZ	AB	N	V	No Label (LC-37PX5X)
40	XBBS740P06000	AA		J	Screw, x4
41	XBBS830P08000	AA		J	Screw, x6
42	XBPS730P06WS0	AA		J	Screw, x43
43	XBPS830P06000	AA		J	Screw, x2
44	XEBS930P08000	AA		J	Screw
45	XEBS930P10000	AA		J	Screw, x13
46	XEBS930P16000	AB		J	Screw, x2
47	XEBS940P16000	AB		J	Screw, x13
48	QCNW-F564WJQZ			V	Connecting Cord (KM)

[6] SUPPLIED ACCESSORIES

Remote control unit	"AAA" size battery (× 2)	AC cord
X1 	X2 	X3 
AC cord clamp	Cable clamp	Cable tie
X4 	X5 	X6 
Stand unit		Operation manual
X7  Stand base	X8  Stand post	X9  Short screws (× 4)
		X10  Long screws (× 4)
	X11  Hex key	X12 

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART DELIVERY	DESCRIPTION
[6] SUPPLIED ACCESSORIES					
X1	RRMCGA563WJSA	AS	N	V	Remote Control Unit
X2	Not Available	-		-	"AAA" size Battery, x2
X3	QACCKA013WJPZ	AN		J	AC Cord 4m (LC-32/37PX5M)
X3	QACCLA039WJPZ	AX		V	AC Cord 4m (LC-32/37PX5X)
X4	LHLDWA012WJKZ	AC		J	AC Cord Clamp
X5	LHLDWA131WJKZ	AE		J	Cable Clamp
X6	LHLDWA083WJ00	AD		J	Cable Tie
X7	CDAi-A334WJ01			V	Stand Base Ass'y (LC-32PX5M/X)
X7	CDAi-A336WJ01			V	Stand Base Ass'y (LC-37PX5M/X)
X8	CDAi-A335WJ01		N	V	Stand Support Ass'y (LC-32PX5M/X)
X8	CDAi-A328WJ01		N	V	Stand Support Ass'y (LC-37PX5M/X)
X9	LX-BZA147WJF8	AE		J	Short Screws, x4
X10	LX-BZA146WJF7	AC		J	Long Screws, x4
X11	UKOGLA006WJZZ			V	Tool for Stand (LC-32PX5M/X)
X11	UKOGLA001WJZZ			V	Tool for Stand (LC-37PX5M/X)
X12	TiNS-C948WJZZ	AR	N	V	Operation Manual (LC-32/37PX5M)
X12	TiNS-C949WJZZ	AK		V	Operation Manual (LC-32/37PX5X)

[7] PACKING PARTS (NOT REPLACEMENT ITEM)



NO.	PARTS CODE	PRICE RANK	NEW MARK	PART DELIVERY	DESCRIPTION
[7] PACKING PARTS (NOT REPLACEMENT ITEM)					
S1	SPAKCD257WJZZ	-		-	Packing Case (LC-32PX5M)
S1	SPAKCD256WJZZ	-		-	Packing Case (LC-32PX5X)
S1	SPAKCD260WJZZ	-	N	-	Packing Case (LC-37PX5M)
S1	SPAKCD261WJZZ	-	N	-	Packing Case (LC-37PX5X)
S2	SPAKXB390WJZZ	-		-	Packing Add. (LC-32PX5M/X)
S2	SPAKXB392WJZZ	-	S	-	Packing Add. (LC-37PX5M/X)
S3	SPAKPA611WJZZ	-		-	Wrapping Paper (LC-32PX5M/X)
S3	SPAKPA613WJZZ	-		-	Wrapping Paper (LC-37PX5M/X)
S4	CDA i-A334WJ02	-		-	Stand Ass'y (LC-32PX5M/X)
S4	CDA i-A336WJ02	-		-	Stand Ass'y (LC-37PX5M/X)
S5	SPAKXB389WJZZ	-		-	Packing Add. (LC-32PX5M/X)
S5	SPAKXB391WJZZ	-	S	-	Packing Add. (LC-37PX5M/X)
S6	SSAKA0128AJZZ	-	N	-	Polyethylene Bag (Small)
S7	SSAKA0005PEZZ	-		-	Polyethylene Bag (A4)
S8	TLABV0182AJZZ	-		-	No. Label
[8] SERVICE JIG					
N	QCNW-E540WJQZ	CD		J	Extension Cable, 26pins B to B (DM)
N	QCNW-C222WJQZ	AW		J	Extension Cable, 80pins Panel
N	QCNW-E341WJQZ	BG		J	Extension Cable, 30pins MAIN to LCD (LV)
N	QCNW-E977WJQZ	AY		J	Extension Cable, 14pins PWR to INVERTOR (LA) (37PX
N	QCNW-E995WJQZ	AY		J	Extension Cable, 14pins PWR to INVERTOR (LA) (32PX

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